



**PRODUCTS FOR ADVANCED RESEARCH**

# **Immunology & Serology Kits and Reagents**

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# PRIMARY ANTIBODIES

With over 30 years of experience and expertise serving the antibody research community, MP Bio offers a large range of high quality specialized primary antibodies with various hosts and targets, ensuring:

- ▶ Superior overall affinity to antigens
- ▶ High tolerance to changes in pH or buffer
- ▶ Robust sensitivity of detection
- ▶ Trusted quality validated by thousands of scientific publications

## SEROLOGY

### Unconjugated Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
<b>Human</b>							
IgG Goat Anti-Human Albumin	Goat	0855028	+	+	+	+	+
IgG Rabbit Anti-Human Albumin	Rabbit	0855029	+	+	+	+	+
IgG Goat Anti-Human Alpha-1-Antitrypsin	Goat	0855030	+	+	+	+	+
IgG Goat Anti-Human Complement C3	Goat	0855033	-	+	+	+	+
IgG Goat Anti-Human Complement C4	Goat	0855034	-	+	+	+	+
IgG Rabbit Anti-Human Red Blood Cells	Rabbit	0855042	-	+	-	+	-
Monoclonal Mouse Anti-Human Hemoglobin	Mouse	08634801	-	-	-	+	-
Anti-Chondroitin-4-Sulfate Mouse Monoclonal Antibody	Mouse	08636511	+	+	-	+	-
Anti-Human Prothrombin Goat Antibody	Goat	08681001	-	-	-	+	+
IgG Goat Anti-Human Serum	Goat	08682651	-	-	-	+	+
Anti-Olfactory Marker Protein Mouse Monoclonal Antibody	Mouse	08A004975	+	-	-	+	-
Anti-Human IFNE1, Monoclonal Antibody (M01), Clone 3B8	Mouse	08A338376	+	+	-	+	+
<b>Bovine</b>							
Anti-Bovine Albumin Rabbit IgG Fraction	Rabbit	0855275	-	+	+	+	+
Rabbit Affinity-Purified Antibody Anti-Bovine Albumin	Rabbit	0856963	-	+	+	+	+
Rabbit Anti-Bovine Serum Albumin (BSA) IgG Antibody	Rabbit	08651111	-	-	-	+	+
<b>Chicken</b>							
Anti-Chicken Red Blood Cells Rabbit IgG Fraction	Rabbit	0855306	-	-	-	+	-
IgG Goat Anti-Chicken Albumin	Goat	0855303	-	+	+	+	+
<b>Mouse</b>							
IgG Goat Anti-Mouse Complement C3	Goat	0855463	-	+	+	+	+
Anti-Mouse Complement C3 Goat F(ab') <sub>2</sub> Fragment	Goat	0855474	-	+	+	+	+
<b>Rat</b>							
IgG Goat Anti-Rat Complement C3	Goat	0855730	+	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.

## Unconjugated Antibodies – continued

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
<b>Sheep</b>							
IgG Rabbit Anti-Sheep Red Blood Cells	Rabbit	0855806	-	+	-	+	-
<b>Rabbit</b>							
Goat Anti-Rabbit Red Blood Cells	Goat	0855616	+	+	-	+	-
<b>Toxoplasma Gondii</b>							
Anti-Toxoplasma Gondii Rabbit Antibody	Rabbit	08688131	-	+	-	-	-
<b>Other</b>							
Anti-BrdU Monoclonal Antibody (clone 11B5)	Mouse	0811200	-	+	-	-	-
Anti-Hemagglutinin Affinity Purified Rabbit Antibody	Rabbit	0855138	+	-	+	+	-
Anti-Hexahistidine (6xHis), Chicken, Affinity Purified	Chicken	0859269	+	-	-	+	-
Anti-Phosphotyrosine Mouse Monoclonal IgG <sub>2b</sub> Antibody (clone PY20)	Mouse	08691371	+	+	-	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.

## FITC Conjugated Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	FACS
<b>Human</b>							
Anti-Human Albumin Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855162	+	+	+	+	+
FITC IgG Goat Anti-Human Complement C1Q	Goat	0855166	+	+	+	+	+
FITC IgG Goat Anti-Human Complement C3	Goat	0855167	+	+	+	+	+
FITC IgG Goat Anti-Human Complement C4	Goat	0855168	+	+	+	+	+
FITC F(ab') <sub>2</sub> Goat Anti-Human Complement C3	Goat	0855191	+	+	+	+	+
<b>Mouse</b>							
FITC IgG Goat Anti-Mouse Complement C3	Goat	0855500	+	+	+	+	+
FITC F(ab') <sub>2</sub> Goat Anti-Mouse Complement C3	Goat	0855510	+	+	+	+	+
<b>Guinea Pig</b>							
FITC IgG Goat Anti-Guinea Pig Complement C3	Goat	0855385	+	+	+	+	+
<b>Rabbit</b>							
FITC IgG Goat Anti-Rabbit Complement C3	Goat	0855654	-	+	+	+	+
<b>Rat</b>							
FITC IgG Goat Anti-Rat Complement C3	Goat	0855751	+	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Fluorescence-activated cell sorting (FACS)  
Techniques not listed in the table have not been tested for use.

## ▶ PRIMARY ANTIBODIES

### HRP Conjugated Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	FACS
<b>Human</b>							
HRP IgG Goat Anti-Human Albumin	Goat	0855235	+	+	-	+	-
HRP IgG Goat Anti-Human Complement C3	Goat	0855237	+	+	-	+	+
<b>Mouse</b>							
HRP IgG Goat Anti-Mouse Complement C3	Goat	0855557	+	+	-	+	-
<b>Bovine</b>							
HRP IgG Rabbit Anti-Bovine Albumin	Rabbit	0855285	+	+	-	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Fluorescence-activated cell sorting (FACS)  
Techniques not listed in the table have not been tested for use.

## CELL MATRIX

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	FACS
Anti-Human Collagen Type II, Mouse (clone II-4CII), Purified IgG	Mouse	0863171	-	+	-	+	-
Anti-Glucagon Rabbit Polyclonal Antibody	Rabbit	0811184	-	+	-	-	-
FITC IgG Goat Anti-Human Fibrinogen	Goat	0855169	+	+	+	+	+
Anti-Human Fibrinogen Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855239	+	+	-	+	-
Mouse Monoclonal Antibody Anti-Chondroitin-4-Sulfate	Mouse	08636511	+	+	-	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Fluorescence-activated cell sorting (FACS)  
Techniques not listed in the table have not been tested for use.

## COOMBS TEST

Coombs test is used in research laboratories to screen animals with autoimmune disorders and to develop models for autoimmune disease. Blood agglutination in the test is a visual positive indication of these diseases, especially immune-mediated hemolytic anemia (IMHA).

With over 50 years industry experience, MP Bio has long been providing scientists and researchers with high quality and reliable Coombs tests (research use only) that feature:

- ▶ Species-specific antibodies for canine, equine, and feline
- ▶ Sensitivity to immunoagglutination to IgG, IgM and C3
- ▶ Lyophilized powder for extended shelf life and more efficient storage
- ▶ Simple reconstitution- diluted with buffer
- ▶ Versatility using multiple test platforms

Target	Name	Host	Cat. No.
Canine	Canine Anti-Globulin Test	Rabbit	0864635
Equine	Equine Anti-Globulin Test	Rabbit	08646371
Feline	Feline Anti-Globulin Test	Rabbit	08646381
Canine & Sheep	Anti-Sheep Red Blood Cells Dog Antibody	Dog	08646451

## NEUROBIOLOGY

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
Anti-Glial Fibrillary Acidic Protein (GFAP) Mouse Monoclonal Antibody	Mouse	0869110	-	+	-	+	-
Anti-Synaptophysin Rabbit Polyclonal Antibody	Rabbit	0810706	-	+	-	+	-
Anti-Synaptophysin IgG1 Mouse Monoclonal Antibody (clone: SY38)	Mouse	08697301	-	+	+	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.

## GLYCOSIDE HYDROLASE

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP	FACS
Rabbit IgG Fraction to $\beta$ -Galactosidase (no cross to <i>E. coli</i> )	Rabbit	0855976	+	+	+	+	+	-
Anti- $\beta$ -Galactosidase Goat IgG Fraction (no cross to <i>E. coli</i> )	Goat	0856028	+	+	+	+	+	-
FITC IgG Goat Anti- $\beta$ -Galactosidase (no cross to <i>E. coli</i> )	Goat	0856030	+	+	+	+	-	+
FITC IgG Rabbit Anti- $\beta$ -Galactosidase (no cross to <i>E. coli</i> )	Rabbit	0856032	+	+	+	+	-	+
Anti- $\beta$ -Galactosidase, Purified Mouse Monoclonal Antibody	Mouse	08633651	+	+	-	+	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP); Fluorescence-activated cell sorting (FACS). Techniques not listed in the table have not been tested for use.

## SARS-COV-2 MONOCLONAL ANTIBODIES

Target Antigen	Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP	FCM	VN
Nucleoprotein	SARS-CoV-2 Nucleoprotein Rabbit mAb	Rabbit	08L100001	+	+	+	+	+	+	-
Spike RBD	SARS-CoV-2 Spike RBD Mouse mAb	Mouse	08L100002	+	-	+	+	-	-	-
Spike S1	SARS-CoV-2 Spike S1 Rabbit mAb	Rabbit	08L100003	+	-	+	-	+	+	-
	Anti-Coronavirus (SARS-CoV-2) Spike S1, Mouse, mAb	Mouse	0872030	-	-	-	+	+	-	-
Spike S2	Anti-Coronavirus (SARS-CoV-2) Spike S2, Mouse, mAb	Mouse	0872040	-	-	-	+	-	+	+
	SARS-CoV Spike S2 (B) Mouse mAb	Mouse	0872041	-	-	-	+	-	+	+
Human, Mouse, Rat ACE2	Anti-Coronavirus (SARS-CoV-2) (B) Spike S2, mAb	Rabbit	08L100004	-	+	+	+	-	-	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP); Flow Cytometry (FCM); Virus Neutralization (VN). Techniques not listed in the table have not been tested for use.

## LOADING AND TAG CONTROLS

Loading control proteins and protein epitope tags offer a reference for comparing expression levels of target proteins, ensuring that differences result from experimental variables rather than Western blot procedure errors. Therefore, these antibodies are crucial for assessing Western blotting efficiencies and comparing protein amounts loaded in each well across a gel.

MP Bio offers highly specific and potent monoclonal loading control and tag antibodies, aiding researchers in distinguishing between actual protein levels in a cell lysate and loading variances. Our antibodies have been validated in WB, IHC, IP, FC, and IF assays, offering consistent results across experiments.

Name	Specificity	Cat. No.	ELISA	IHC	IFA	WB	IP
<b>Loading Controls</b>							
Mouse Anti-Actin (plant specific) mAb	Various Plants	08L100026	-	-	+	+	-
Rabbit Anti-β-Actin mAb (high potency)	Human, Mouse, Rat, Chicken, Zebrafish, Pig	08L100027	-	-	-	+	-
Mouse Anti-α-Tubulin mAb	Human, Mouse, Rat	08L100028	-	+	+	+	+
Mouse Anti-β-Tubulin mAb	Human, Mouse, Rat, Hamster, Monkey, Goat	08L100029	-	+	+	+	+
Mouse Anti-GAPDH mAb (high potency)	Human, Mouse, Rat	08L100030	-	+	+	+	-
Anti-Actin, Mouse Monoclonal Antibody (clone C4)	Human, Mouse, Rat, Guinea Pig	0869100	+	+	+	+	-
<b>Epitope Tag Recognition</b>							
Rabbit Anti-DDDDK Tag (FLAG Tag) mAb	FLAG Tag	08L100031	-	+	+	+	+
Mouse Anti-HA Tag mAb	HA Tag	08L100032	-	-	+	+	+
Rabbit Anti-His Tag mAb	HIS Tag	08L100033	-	-	-	+	+
Rabbit Anti-Myc Tag mAb	Myc Tag	08L100034	-	-	-	+	+
Rabbit Anti-GST Tag mAb	GST Tag	08L100035	-	-	-	+	+
Mouse Anti-GFP Monoclonal Antibody, Clone 3E6, with BSA	GFP Tag	0868740	+	+	+	+	+
Rabbit Anti-GFP Tag mAb	GFP Tag	08L100036	-	-	+	+	-
Rabbit Anti-V5 Tag mAb	V5 Tag	08L100037	-	-	+	+	+
Mouse Anti-mCherry Tag mAb	mCherry Tag	08L100038	-	-	+	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.

## EXOSOME VALIDATION

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
TSG101/VPS23 Rabbit Monoclonal Antibody	Rabbit	08L100024	-	-	-	+	-
CD9 Rabbit Monoclonal Antibody	Rabbit	08L100023	-	+	-	+	+
CD81 Rabbit Monoclonal Antibody	Rabbit	08L100022	-	-	-	+	-
CD63 Rabbit Monoclonal Antibody	Rabbit	08L100021	-	+	-	+	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.



# SECONDARY ANTIBODIES

Secondary antibodies are usually designed to bind to the primary antibody to amplify signals for detection, separate, and quantify the target antigen. MP Bio offers a wide variety of secondary antibodies with and without conjugation for a variety of applications.

- ▶ High specificity for primary antibody species and isotypes
- ▶ Multiple pre-conjugated for sensitive detection
- ▶ High Purity
- ▶ Validated by thousands of publications

## ANTI SPECIES-SPECIFIC ANTIBODIES

### Unconjugated Secondary Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
Human							
Anti-Human Secretory IgA Goat Antibody	Goat	0855001	-	+	+	+	+
IgG Goat Anti-Human IgA (alpha chain)	Goat	0855003	-	+	+	+	+
Anti-Human IgG (whole molecule) Rabbit IgG Fraction	Rabbit	0855008	-	+	+	+	+
Anti-Human IgG Fab Goat IgG Fraction	Goat	0855010	-	+	+	+	+
Anti-Human IgG Fc Goat IgG Fraction	Goat	0855014	+	+	+	+	+
IgG Goat Anti-Human IgM (5Fc $\mu$ )	Goat	0855017	-	+	+	+	+
IgG F(ab') <sub>2</sub> Goat Anti-Human IgG	Goat	0855049	+	+	+	+	+
Anti-Human IgM (5Fc $\mu$ ) Goat F(ab') <sub>2</sub> Fragment	Goat	0855055	-	+	+	+	+
F(ab') <sub>2</sub> Goat Anti-Human Kappa Chain (bound)	Goat	0855059	-	+	+	+	+
Anti-Human IgA (alpha chain) Affinity Purified Goat Antibody	Goat	0855068	+	+	+	+	+
Anti-Human IgG (whole molecule), Affinity-Purified Goat Antibody	Goat	0855070	+	+	+	+	+
Affinity Purified Goat Anti-Human IgG FC	Goat	0855071	-	+	+	+	+
Affinity Purified Goat Anti-Human IgM (5Fc $\mu$ )	Goat	0855073	-	+	+	+	+
Goat Affinity Purified Antibody to Human Immunoglobulins (IgG, IgA, IgM)	Goat	0855074	-	+	+	+	+
Affinity Purified F(AB') <sub>2</sub> Goat Anti-Human IgM (5Fc $\mu$ )	Goat	0856960	-	+	+	+	+
Anti-Human IgG Fc Fragment (clone HP6017) Mouse Monoclonal Antibody	Mouse	08630722	+	+	-	+	-
Anti-Human IgG Monoclonal Antibody from Mouse	Mouse	08634811	-	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.



## Unconjugated Secondary Antibodies - continued

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	IP
<b>Mouse</b>							
Goat IgG Fraction to Mouse IgA (alpha chain)	Goat	0855454	-	+	+	+	+
IgG Goat Anti-Mouse IgG (H&L)	Goat	0855455	+	+	+	+	+
IgG Rabbit Anti-Mouse IgG (H&L)	Rabbit	0855456	+	+	+	+	+
Anti-Mouse IgA (alpha chain) Goat Affinity-Purified Antibody	Goat	0855478	-	+	+	+	+
Affinity Purified Goat Anti-Mouse IgG (H&L)	Goat	0855479	-	+	+	+	+
Affinity Purified Rabbit Anti-Mouse IgG (H&L)	Rabbit	0855480	+	+	+	+	+
Anti-Mouse IgG (whole molecule) Affinity-Purified Sheep Antibody	Sheep	0855481	-	+	+	+	+
Goat Affinity Purified Antibody to Mouse IgG F(ab') <sub>2</sub>	Goat	0855483	+	+	+	+	+
Affinity Purified Goat Anti-Mouse IgM (μ chain)	Goat	0855484	-	+	+	+	+
Affinity Purified F(ab') <sub>2</sub> Goat Anti-Mouse IgG, IgA, IgM	Goat	0855491	+	+	+	+	+
Anti-Mouse IgG (H+L) (whole molecule) Goat Antibody	Goat	08670281	-	+	+	+	-
<b>Rabbit</b>							
Anti-Rabbit IgG (whole molecule) Goat IgG Fraction	Goat	0855622	+	+	+	+	+
Anti-Rabbit Fibronectin, Goat IgG Fraction	Goat	0855632	+	+	+	+	+
Affinity Purified Goat Anti-Rabbit IgG (H&L)	Goat	0855641	-	+	+	+	+
Anti-Rabbit IgG, Goat F(ab') <sub>2</sub> Fragment Affinity-Purified	Goat	08670391	+	+	-	+	-
<b>Hamster</b>							
IgG Rabbit Anti-Hamster IgG (H&L)	Rabbit	0855398	+	+	+	+	+
Affinity Purified Goat Anti-Hamster IgG (H&L)	Goat	0856984	+	+	+	+	+
<b>Rat</b>							
Affinity Purified Goat Anti-Rat IgG (H&L)	Goat	0855740	+	+	+	+	+
Anti-Rat IgG (no cross to mouse) Goat Affinity-Purified Antibody	Goat	0855741	-	+	+	+	+
<b>Dog</b>							
Rabbit Anti-Dog IgG (H+L) Antibody	Rabbit	08670071	-	-	-	-	-
<b>Goat</b>							
Donkey Anti-Goat IgG (H+L) Antibody	Donkey	08670101	+	-	-	-	-

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Immunoprecipitation (IP)  
Techniques not listed in the table have not been tested for use.

## FITC Conjugated Secondary Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	FACS
<b>Human</b>							
FITC IgG Goat Anti-Human IgA (α chain)	Goat	0855077	+	+	+	+	+
FITC Conjugated Goat IgG Fraction to Human IgG (whole molecule)	Goat	0855144	+	+	+	+	+
FITC IgG Goat Anti-Human IgG F(ab') <sub>2</sub>	Goat	0855148	+	+	+	+	+
FITC IgG Goat Anti-Human IgG Fc	Goat	0855150	+	+	+	+	+
FITC IgG Goat Anti-Human IgM (5FC μ)	Goat	0855153	+	+	+	+	+
Anti-Human Kappa Light Chain (Free Bence-Jones Protein) Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855159	+	+	+	+	+
Anti-Human Lambda Light Chain (bound) Goat IgG Fraction Fluorescein-Conjugated	Goat	0855160	+	+	+	+	+
Anti-Human Lambda Light Chain (Free Bence-Jones Protein) Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855161	-	+	+	+	+
Anti-Human IgA (alpha chain) Goat F(ab') <sub>2</sub> Fragment, Fluorescein Conjugated	Goat	0855178	+	+	+	+	+
Anti-Human IgD (delta chain) Goat F(ab') <sub>2</sub> Fragment Fluorescein-Conjugated	Goat	0855179	-	+	+	+	+
Anti-Human IgG Goat F(ab') <sub>2</sub> Fragment Fluorescein-Conjugated	Goat	0855180	+	+	+	+	+
Anti-Human IgM (5Fc μ) Goat F(ab') <sub>2</sub> Fragment Fluorescein-Conjugated	Goat	0855185	+	+	+	+	+
Anti-Human Immunoglobulins (IgG, IgA, IgM) Goat F(ab') <sub>2</sub> Fragment, Fluorescein-Conjugated	Goat	0855186	-	+	+	+	+
FITC F(ab') <sub>2</sub> Goat Anti-Human Lambda Chain (bound)	Goat	0855189	-	+	+	+	+
Anti-Human IgG (whole molecule) Affinity-Purified Goat Antibody, Fluorescein-Conjugated	Goat	0855197	+	+	+	+	+
Anti-Human IgG (whole molecule) Affinity-Purified F(ab') <sub>2</sub> Fragment, Fluorescein-Conjugated	Goat	0855201	+	+	+	+	+
Anti-Human IgG (H+L chain) Affinity-Purified Goat Antibody, FITC Conjugated	Goat	08672161	-	+	+	+	+
<b>Mouse</b>							
FITC IgG Goat Anti-Mouse IgG (H&L)	Goat	0855493	-	+	+	+	+
Anti-Mouse IgG (whole molecule) Rabbit IgG Fraction, Fluorescein Conjugated	Rabbit	0855494	-	+	+	+	+
Anti-Mouse IgG (whole molecule) Sheep IgG Fraction, Fluorescein Conjugated	Sheep	0855495	-	+	+	+	+
Anti-Mouse IgG F(ab') <sub>2</sub> Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855496	-	+	+	+	+
Anti-Mouse Immunoglobulins (IgG, IgA, IgM) Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855499	+	+	+	+	+
FITC IgG Goat Anti-Mouse IgG (no cross rat)	Goat	0855503	-	+	+	+	+
FITC F(ab') <sub>2</sub> Rabbit Anti-Mouse IgG (H&L)	Rabbit	0855505	-	+	+	+	+
FITC- Goat F(ab') <sub>2</sub> Fragment to Mouse IgM (μ chain)	Goat	0855509	-	+	+	+	+
FITC Affinity Purified Goat Anti-Mouse IgG (H&L)	Goat	0855514	-	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Fluorescence-activated cell sorting (FACS) Techniques not listed in the table have not been tested for use.

## Fluorescein Conjugated Secondary Antibodies - *continued*

Name	Host	Cat. No.	ELISA	IHC	IFA	WB	FACS
<b>Mouse (continued)</b>							
FITC Affinity Purified Goat Anti-Mouse IgM (m specific)	Goat	0855519	-	+	+	+	+
FITC Affinity Purified Goat Anti-Mouse Immunoglobulins	Goat	0855521	-	+	+	+	+
FITC Affinity Purified F(ab') <sub>2</sub> Goat Anti-Mouse IgG, IgA, IgM	Goat	0855526	-	+	+	+	+
<b>Rabbit</b>							
FITC IgG Goat Anti-Rabbit IgG (H&L)	Goat	0855646	-	+	+	+	+
FITC IgG Goat Anti-Rabbit Immunoglobulin	Goat	0855652	-	+	+	+	+
Anti-Rabbit IgG (whole molecule) Affinity-Purified Goat Antibody, Fluorescein-Conjugated	Goat	0855662	-	+	+	+	+
Anti-Rabbit IgG (whole molecule), Goat F(ab') <sub>2</sub> Fragment, Affinity Purified, Fluorescein-Conjugated	Goat	0855665	+	+	+	+	+
<b>Dog</b>							
Anti-Dog IgG (whole molecule) Goat IgG Fraction, Fluorescein-Conjugated	Goat	0855325	-	+	+	+	+
Anti-Dog IgG (whole molecule) Rabbit IgG Fraction, Fluorescein Conjugated	Rabbit	0855326	-	+	+	+	+
FITC IgG Goat Anti-Dog IgM (μ chain)	Goat	0855328	-	+	+	+	+
FITC Goat Affinity Purified Antibody to Dog IgG (whole molecule)	Goat	0856998	-	+	+	+	+
<b>Rat</b>							
Anti-Rat IgG (no cross anti-human) Affinity-Purified Goat Antibody, Fluorescein Conjugated	Goat	0856407	-	+	+	+	+
Anti-Rat (H+L) Affinity-Purified Goat Antibody, FITC Conjugated	Goat	08672401	-	+	+	+	+
<b>Cat</b>							
FITC IgG Goat Anti-Cat IgG (H&L)	Goat	0855291	-	+	+	+	+
<b>Bovine</b>							
FITC IgG Rabbit Anti-Bovine IgG (H&L)	Rabbit	0855280	-	+	+	+	+
<b>Chicken</b>							
Anti-Chicken IgG (whole molecule) Rabbit IgG Fraction, Fluorescein Conjugated	Rabbit	0855307	-	+	+	+	+
<b>Horse</b>							
Anti-Horse IgG (whole molecule) Rabbit IgG Fraction, Fluorescein Conjugated	Rabbit	0855415	-	+	+	+	+
<b>Guinea Pig</b>							
FITC F(ab') <sub>2</sub> Goat Anti-Guinea Pig IgG	Goat	0855387	-	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB); Fluorescence-activated cell sorting (FACS)  
Techniques not listed in the table have not been tested for use.

## Horseradish Peroxidase Conjugated Secondary Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB
<b>Human</b>						
Anti-Human IgG1 (clone HP6069) Mouse Monoclonal Antibody, HRP Conjugated	Mouse	08634521	+	-	-	+
Anti-Human IgG (Fc fragment specific) Affinity-Purified Goat Antibody, HRP Conjugated	Goat	08674171	+	+	-	+
HRP IgG Goat Anti-Human Kappa Chain (bound)	Goat	0855233	+	+	-	+
Anti-Human IgM (5F $\mu$ ) Goat IgG Fraction, Peroxidase Conjugated	Goat	0855228	+	+	-	+
HRP IgG Goat Anti-Human IgG Fc	Goat	0855226	+	+	-	+
Anti-Human IgG F(ab') <sub>2</sub> Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855224	+	+	-	+
Anti-Human IgG Fab Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855223	+	+	-	+
Anti-Human IgG (whole molecule) Rabbit IgG Fraction, Peroxidase Conjugated	Rabbit	0855221	+	+	-	+
Anti-Human IgG (whole molecule) Goat IgG Fraction, Peroxidase Conjugated	Goat	0855220	+	+	-	+
Peroxidase-Conjugated Goat IgG Fraction to Human Secretory IgA	Goat	0855215	+	+	+	+
<b>Rabbit</b>						
HRP IgG Goat Anti-Rabbit IgG (H&L)	Goat	0855676	+	+	+	+
Anti-Rabbit IgG (whole molecule) Sheep IgG Fraction, Peroxidase Conjugated	Sheep	0855677	+	+	+	+
Anti-Rabbit IgG F(ab') <sub>2</sub> Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855678	+	+	+	+
Anti-Rabbit IgG Fc Goat IgG Fraction, Peroxidase Conjugated	Goat	0855679	+	+	+	+
Anti-Rabbit Immunoglobulins (IgG, IgA, IgM) Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855682	+	+	+	+
Anti-Rabbit IgG (no cross anti-human) Goat IgG Fraction, Peroxidase Conjugated	Goat	0855685	+	+	+	+
Peroxidase-Conjugated Goat Affinity Purified Antibody to Rabbit IgG (whole molecule)	Goat	0855689	+	+	-	+
Anti-Rabbit IgG Fc Affinity-Purified Goat Antibody, Peroxidase Conjugated	Goat	0855690	+	+	-	+
HRP Affinity Purified Goat Anti-Rabbit IgG F(ab') <sub>2</sub>	Goat	0855691	+	+	+	+
Anti-Rabbit IgG (H+L) Affinity-Purified Goat Antibody, HRP Conjugated	Goat	08674371	+	+	-	+
<b>Mouse</b>						
HRP IgG Goat Anti-Mouse IgG (H&L)	Goat	0855550	+	+	-	+
HRP IgG Goat Anti-Mouse IgG F(ab') <sub>2</sub>	Goat	0855553	+	+	-	+
HRP IgG Goat Anti-Mouse IgG Fc	Goat	0855554	+	+	-	+
Anti-Mouse Immunoglobulins (IgG, IgA, IgM) Goat IgG Fraction, Peroxidase-Conjugated	Goat	0855556	+	+	-	+
Anti-Mouse IgG (no cross anti-human) Sheep IgG Fraction, Peroxidase Conjugated	Sheep	0855558	+	+	-	+
Anti-Mouse IgG (whole molecule) Affinity-Purified Rabbit Antibody, Peroxidase Conjugated	Rabbit	0855564	+	+	+	+
Anti-Mouse IgG Fc Affinity-Purified Antibody Goat, Peroxidase Conjugated	Goat	0855566	+	+	-	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB)  
Techniques not listed in the table have not been tested for use.

## Horseradish Peroxidase Conjugated Secondary Antibodies - *continued*

Name	Host	Cat. No.	ELISA	IHC	IFA	WB
<b>Dog</b>						
HRP IgG Goat Anti-Dog IgG (H&L)	Goat	0855332	+	+	-	+
<b>Sheep</b>						
HRP Rabbit IgG Fraction to Sheep IgG (whole molecule)	Rabbit	0855814	+	+	-	+
<b>Cat</b>						
Goat Anti-Cat IgG (whole molecule), HRP Conjugated	Goat	0855293	+	+	-	+
<b>Rat</b>						
HRP IgG Goat Anti-Rat IgG (H&L)	Goat	0855770	+	+	-	+
HRP Goat IgG Fraction to Rat IgG (no cross to mouse)	Goat	0855778	+	+	-	+
<b>Goat</b>						
HRP Affinity Purified Rabbit Anti-Goat IgG (H&L)	Rabbit	0855363	+	+	-	+
<b>Guinea Pig</b>						
HRP IgG Goat Anti-Guinea Pig IgG (H&L)	Goat	0855391	+	+	-	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB)  
Techniques not listed in the table have not been tested for use.

## Secondary ALP, Biotin, Rhodamine Conjugated Antibodies

Name	Host	Cat. No.	ELISA	IHC	IFA	WB
<b>Human</b>						
Goat Affinity-Purified Antibody, Anti-Human Immunoglobulins (IgG, IgA, IgM), Alkaline Phosphatase (ALP)-Conjugated	Goat	0859284	+	+	-	+
Goat Affinity-Purified Antibody Anti-Human IgG Fc (no cross activity to horse), Alkaline Phosphatase (ALP)-Conjugated	Goat	0859289	+	+	-	+
Goat Affinity-Purified Antibody Anti-Human IgM (Fc5U fragment), Alkaline Phosphatase (ALP) Conjugated	Goat	08675211	+	-	-	+
<b>Rabbit</b>						
Anti-Rabbit IgG (whole molecule) Affinity-Purified Goat Antibody, Rhodamine-Conjugated	Goat	0855674	-	+	+	+
Goat Anti-Rabbit IgG (whole molecule), AP Conjugated	Goat	0859298	+	+	-	+
<b>Rat</b>						
Anti-Rat IgG (whole molecule) Affinity-Purified Goat Antibody, Biotin-Conjugated	Goat	0855790	+	+	+	+

Enzyme-linked immunosorbent assay (ELISA); Immunohistochemistry (IHC); Immunofluorescence assay (IFA); Western Blot (WB)  
Techniques not listed in the table have not been tested for use.

## ANTI SPECIES-SPECIFIC SERA

MP Bio offers a comprehensive selection of antisera from various species for a wide spectrum of target molecules from multiple animals with:

- ▶ Strong avidity
- ▶ Unique specificity
- ▶ High titer

Name	Host	Cat. No.
<b>Human</b>		
Anti-Human Secretory IgA Goat Antiserum	Goat	0855080
Goat Antiserum to Human IgA (alpha chain)	Goat	0855082
Goat Antiserum to Human IgG (whole molecule)	Goat	0855087
Rabbit Anti-Human IgG (H&L)	Rabbit	0855088
Anti-Human IgM (5Fc $\mu$ ) Goat Antiserum	Goat	0855097
Anti-Human Albumin Goat Antiserum	Goat	0855109
Anti-Human Albumin Rabbit Antiserum	Rabbit	0855110
Anti-Human Alpha-1-Antitrypsin Goat Antiserum	Goat	0855111
Goat Antiserum to Human Ceruloplasmin	Goat	0855114
Goat Antiserum to Human Complement C3	Goat	0855117
Goat Antiserum to Human Fibrinogen	Goat	0855123
Anti-Human Fibronectin, Goat Antiserum	Goat	0855125
Anti-Human Hemoglobin, Rabbit Antiserum	Rabbit	0855129
Anti-Human Red Blood Cells, Rabbit Antiserum	Rabbit	0855133
Anti-Human Seminal Fluid (absorbed) Rabbit Antiserum	Rabbit	0855134
Anti-Human Serum, Goat Antiserum	Goat	0855136
Anti-Human Serum Rabbit Antiserum	Rabbit	0855137
Anti-Human Transferrin Goat Antiserum	Goat	0855139
Anti-Human Uromuoid (Tamm-Horsfall glycoprotein) Goat Antiserum	Goat	0855140
Anti-Human Serum (forensic), Goat Antiserum	Goat	0855996
Anti-Human IgG4 (lyophilized) Sheep Antiserum	Sheep	08643131

Name	Host	Cat. No.
<b>Mouse</b>		
Anti-Mouse IgG (whole molecule) Goat Antiserum	Goat	0855435
Anti-Mouse IgG (whole molecule) Rabbit Antiserum	Rabbit	0855436
Anti-Mouse Complement C3 Goat Antiserum	Goat	0855444
Anti-Mouse Hemoglobin Rabbit Antiserum	Rabbit	0855447
Goat Anti-Mouse Serum	Goat	0855449
Anti-Mouse Transferrin Goat Antiserum	Goat	0855451
Anti-Mouse Serum (forensic), Goat Antiserum	Goat	0856003
<b>Dog</b>		
Goat Antiserum to Dog IgG (whole molecule)	Goat	0855310
Goat Antiserum to Dog IgM ( $\mu$ chain)	Goat	0855313
Rabbit Antiserum to Dog Albumin	Rabbit	0855314
Goat Antiserum to Dog Complement C3	Goat	0855315
Goat Anti-Dog Serum	Goat	0855317
Rabbit Antiserum (forensic) to Dog Serum	Rabbit	0856001
Rabbit Anti-Dog IgM Antiserum	Rabbit	08643711
<b>Bovine</b>		
Rabbit Anti-Bovine IgG	Rabbit	0855267
Anti-Bovine Albumin, Rabbit Antiserum	Rabbit	0855269
Rabbit Anti-Bovine Transferrin	Rabbit	0855273
Goat Anti-Bovine Serum (forensic)	Goat	0855998
Rabbit Antiserum to Bovine Serum	Rabbit	08650011
Rabbit Anti-Thyroxine-BSA Antiserum	Rabbit	08658501



## ANTI SPECIES-SPECIFIC SERA - CONTINUED

Name	Host	Cat. No.
<b>Rat</b>		
Goat Antiserum to Rat IgG (whole molecule)	Goat	0855703
Anti-Rat Albumin, Goat Antiserum	Goat	0855710
Anti-Rat Albumin, Rabbit Antiserum	Rabbit	0855711
Anti-Rat Complement C3 Goat Antiserum	Goat	0855713
Anti-Rat Serum (forensic), Goat Antiserum	Goat	0856005
<b>Horse</b>		
Goat Anti-Horse IgG (H&L)	Goat	0855403
Anti-Horse Serum, Goat Antiserum	Goat	0855408
Goat Antiserum to Horse Serum (forensic)	Goat	0856002
Anti-Horse Serum, Rabbit Antiserum	Rabbit	08650121
<b>Rabbit</b>		
Anti-Rabbit IgG (whole molecule) Goat Antiserum	Goat	0855602
Anti-Rabbit Serum, Goat Antiserum	Goat	0855617
Anti-Rabbit Serum Goat Antiserum (forensic)	Goat	0856004
<b>Sheep</b>		
Rabbit Antiserum to Sheep IgM ( $\mu$ chain)	Rabbit	0855796
Anti-Sheep Red Blood Cells Rabbit Antiserum	Rabbit	0855800
Anti-Sheep Serum (forensic) Goat Antiserum	Goat	0856006
Rabbit Anti-Sheep Serum	Rabbit	08650191

Name	Host	Cat. No.
<b>Swine</b>		
Goat Anti-Swine Serum	Goat	0855820
Goat Anti-Swine Serum (forensic)	Goat	0856007
<b>Bear</b>		
Anti-Bear Serum, Goat Antiserum	Goat	0856009
<b>Deer</b>		
Goat Antiserum (forensic) to Deer Serum	Goat	0856008
<b>Porcine</b>		
Rabbit Anti-Porcine IgM Serum ( $\mu$ chain)	Rabbit	08643901
Anti-Porcine Serum Rabbit Antiserum	Rabbit	08650351
<b>Cat</b>		
Goat Anti-Cat Serum (forensic)	Goat	0855999
<b>Chicken</b>		
Goat Anti-Chicken Serum (forensic)	Goat	0856000
<b>Hamster</b>		
Rabbit Anti-Hamster IgG (H&L)	Rabbit	0855395
<b>Goat</b>		
Rabbit Antiserum to Goat Albumin	Rabbit	0855339
Anti-Goat Rabbit Serum	Rabbit	08650061
<b>Guinea Pig</b>		
Goat Anti-Guinea Pig IgG (H&L)	Goat	0855367
Rabbit Antiserum to Guinea Pig Albumin	Rabbit	0855370
Goat Anti-Guinea Pig Complement C3	Goat	0855371

# IMMUNOASSAY REAGENTS

## WESTERN BLOT WORKFLOW SOLUTIONS

Western blot enables detection, visualization, and quantification of a specific protein from a sample of tissue homogenate or extract. To achieve the desired results, several factors must be considered, including the technique itself and the quality of consumables utilized.

With the help of our reagents and consumables, you can complete these blotting steps/procedures more quickly and effectively, producing better results in crucial areas such as:

- ▶ Accurate molecular weight measurements
- ▶ Improvements in gel staining
- ▶ Enhanced signal detection
- ▶ Better band visualization

### Protein Extraction and Loading

Category	Name	Cat. No.
RIPA Lysis Buffer	RIPA buffer with Triton X-100	04822792
Protein Quantification	BCA Protein Assay Kit	08W00021
Inhibitor Cocktails	Protease and Phosphatase Inhibitor Cocktail – 10X	08W00017
	Phosphatase Inhibitor Cocktail – 10X	08W00018
Loading Buffers	Quick Fluorescent Loading Buffer (SDS-PAGE) – 3X	08W00013
	Quick Fluorescent Loading Buffer (Native-PAGE) – 3X	08W00014
	Protein Loading Buffer (SDS-PAGE) – 5X	08W00015
	Protein Loading Buffer (Native-PAGE) – 5X	08W00016
Protein Ladders	Fluorescent Protein Marker	08W00009
	Prestained Molecular Weight Standard, Dual Color (0.5 mL)	08W00027
	Prestained Triple Color Protein Ladder (10-180 kDa)	08L100025

### Western Blot Reagents

Category	Name	Cat. No.
Blocker and Signal Enhancer	OneStep Western Blocker and Signal Enhancer (protein-free)	08X100002
Membrane Wash	Tris Buffered Saline TBS Membrane Wash	08W00020
ECL Substrate	Ultra-Sense Femto-Plus Western ECL Substrate	08X100003
WB Stripping	Western Stripping Buffer	08W00019

## PAGE Analysis

Category	Name	Cat. No.
Running Buffers	Tris-Glycine Running Buffer for SDS-PAGE (powder)	08W00010
	Tris-Glycine Running Buffer for Native PAGE (powder)	08W00011
	Ultra-Fast Running Buffer for SDS-PAGE (powder)	08W00012
	MOPS SDS Running Buffer for Bis-Tris Gels (powder)	08W00025
	MES SDS Running Buffer for Bis-Tris Gels (powder)	08W00026
Precast Gels	Precast Gel Plus, Tris-Gly 10%, 10 Wells	08W00001
	Precast Gel Plus, Tris-Gly 10%, 15 Wells	08W00002
	Precast Gel Plus, Tris-Gly 12%, 10 Wells	08W00003
	Precast Gel Plus, Tris-Gly 12%, 15 Wells	08W00004
	Precast Gel Plus, Tris-Gly 15%, 10 Wells	08W00005
	Precast Gel Plus, Tris-Gly 15%, 15 Wells	08W00006
	Precast Gel Plus, Tris-Gly 4–20%, 10 Wells	08W00007
	Precast Gel Plus, Tris-Gly 4–20%, 15 Wells	08W00008
	Precast Gel Plus, SDS, Bis-Tris, 4–20% Acrylamide, 10 Wells	08W00022
	Precast Gel Plus, SDS, Bis-Tris, 4–20% Acrylamide, 12 Wells	08W00023
	Precast Gel Plus, SDS, Bis-Tris, 4–20% Acrylamide, 15 Wells	08W00024
Gel Staining Solution	Ultra-Blue Fast PAGE Gel Staining Solution	08X100001

## SPECIALTY REAGENTS

### Adjuvants, Additional Reagents & Lab Equipment

Name	Cat. No.
Adjuvants	
Freund's Complete Adjuvant ( <i>m. tuberculosis</i> )	0864285
Freund's Incomplete Adjuvant	08642861
Freund's Complete Adjuvant ( <i>m. butyricum</i> )	0855828
Freund's Incomplete Adjuvant	0855829
FastAb Adjuvant	08642901
Reagents	
Fluorotec Embedding Medium	0811400
Rat Liver S9 Homogenate in KCL	085041
Washed, Preserved Sheep Red Blood Cells (10% suspension)	0855876
Horseradish Peroxidase-Conjugated Avidin	0855898
HRP Protein A	0855901
Antigen Affinity-Gel Rabbit IgG (whole molecule)	0855961
Boc-Val-Leu-Gly-Arg-pNA Acetate Salt	0861308
Kjeldahl Tablets	0862101

Name	Cat. No.
Reagents ( <i>continued</i> )	
Immuno-fluore Mounting Medium	08622701
Alkaline Phosphatase-Streptavidin	08623431
Agarose, Immunodiffusion Grade	089520
TMB (3,3',5,5' Tetramethylbenzidine)	0898050
BCIP/NBT, Stable Alkaline Phosphatase Substrate	08980621
Peroxidase Protective Buffer	0898063
Antibody Diluent	08980641
BCIP/NBT, Liquid Substrate Plus	0898077
BCIP/NBT Liquid Substrate	0898087
Lab Equipment	
Immunodiffusion Plates, Uncalibrated, Unfilled	08421651
Micro-Ouchterlony Plates	08642771
Ouchterlony Plates	08642781

# SEROLOGY COMPONENTS

## Complement Sera

Name	Cat. No.
Guinea Pig Complement	086428
Guinea Pig Complement	0855852
Rabbit Complement	0855866
Complement Serum, Rat	0855870
Rabbit Complement	08642812
Baby Rabbit Complement, 3-4 weeks	08642961

## Animal Sera for Immunological Studies

- ▶ High Quality from healthy animals or donors
- ▶ Versatile for blocking or saturating nonspecific interactions
- ▶ Comprehensive collection from various species
- ▶ Constant availability
- ▶ Lyophilized product for longer storage

Name	Cat. No.
Whole Human Serum	0855979
Serum, Whole, Bovine	0855980
Serum, Cat	0855981
Serum, Whole, Chicken	0855982
Serum, Whole, Dog	0855983
Whole Goat Serum	0855984
Serum, Whole, Hamster	0855986
Whole Horse Serum	0855987
Whole Monkey Serum	0855988
Serum, Whole, Mouse	0855989

Name	Cat. No.
Serum, Whole, Rabbit	0855990
Whole Sheep Serum	0855992
Whole Swine Serum	0855993
Whole Deer Serum	0855994
Goat Serum	08642921
Mouse Serum	08642931
Normal Rat Serum	08642941
Sheep Serum (lyophilized)	08642951
Serum, Porcine	092924149
Serum, Chicken	092950149

## ▶ IMMUNOASSAY REAGENTS

### Bovine Serum Albumin

Bovine Serum Albumin is a highly characterized protein derived from cows. It has been commonly used in serology, microbiology, tissue culture and general laboratory reagent preparation, including:

- ▶ Diluent/stabilizer for EIA, RIA, and other immunoassay techniques
- ▶ Protein supplement for serum standards, controls and references
- ▶ Protein stabilizer for long-term storage of diluted antibodies

MP Bio is pleased to offer an ultra-pure grade of crystallized bovine serum albumin and fraction V powder through the Cohn process for sensitive applications requiring the highest albumin purity and lowest residual level of globulins. This bovine albumin product can be used for protein preparation, immunoassays, molecular weight standards, antigen carries in protein studies and monoclonal antibody production. Additional benefits and features include:

- ▶ Versatile blocking agent for ELISA, Western Blotting, and Immunohistochemistry
- ▶ Suitable for protein and enzyme stabilization
- ▶ High purity for protein quantification
- ▶ Origin certification and traceability

### Bovine Serum Albumin Fraction V, Powder

Name	Cat. No.
Albumin Bovine, Fraction V, ≥95%,	02103703
Albumin, Bovine, RIA Grade, ≥98%	02105033
Albumin, Bovine Serum, Fraction V	02152401
Albumin Bovine, Fraction V, ≥98%	02160069
AlbumiNZ™ Bovine Albumin Low Endotoxin, ≥97%	02199896
AlbumiNZ™ Bovine Albumin Low IgG, ≥97%	02199897
AlbumiNZ™ Protease-reduced BSA	02199898
AlbumiNZ™ Bovine Albumin Low Free Fatty Acid, ≥97%	02199899
Albumin, Bovine Reduced Fatty Acid	02FC0166
Albumin, Bovine, Purified	0855918

Name	Cat. No.
Albumin Bovine Fraction V	08810025
Albumin Bovine Fraction V, Lipid Enhanced, Microbiological Grade	0881004
Albumin, Bovine, Crystalline, >99%	088100
Albumin, Bovine, Fraction V, Reagent Grade	0881066
Albumin, Bovine, Fraction V, Low Endotoxin	0881068
Albumin, Bovine, Fraction V, Fatty Acid Free	08820022
Bovine Albumin, Fraction V, Protease Free	0882045
Albumin, Bovine, Cohn Modified, 100%	0884004
Albumin, Bovine Cohn Fraction V, >96%	0884053

### Bovine Albumin Solutions

Bovine serum albumin solutions (30 and 35%), prepared from high quality Fraction V, are intended for in vitro use in immunohematological procedures in which a high protein diluent is recommended. 30% Polymer Enhanced solution is a superior enhancement reagent for serological procedures. Bovine Albumin Polymer Enhanced potentiates the expression of weak antigen-antibody reactions and avidity of red blood cells.

Name	Cat. No.
Albumin, Bovine, Path 5, 35% Solution	0881011
Albumin, Bovine, 35% Solution	08810061
Bovine Albumin, 30% Solution CAP Free (sterile)	08810133
Albumin, Bovine 30% Solution Polymer Enhanced	08810784

## Other Serum Albumin Powder and Solution

Name	Cat. No.
Human Serum Albumin	
Recombinant Human Serum Albumin	0898314
Fluorescein-Conjugated Human Albumin	0855883
Human Albumin, 10% Solution	08810171
Albumin, Human, Fraction V (protease free)	08823002
Albumin, Human, Fraction V	08823022
Albumin, Human 30% Solution	08823051
Albumin, Human, Fraction V (fatty acid free)	08823234
Recombinant Human Serum Albumin, 20% Solution	08983131

Name	Cat. No.
Other Species Albumin	
Albumin, Mouse, Fraction V	0855858
Rat Albumin Fraction V	0855869
Albumin, Rat, Fraction V	08825014

## Globulin Proteins

Name	Cat. No.
$\beta$ -2 Microglobulin	0877095
Gamma Globulins, Human, Fraction II	0882310
Gamma Globulin, Human, Purified	0855838
Purified Bovine Gamma Globulin	0855847
Gamma Globulin Fraction, Mouse	0855861
Thyroglobulin	08648112
Bovine Gamma Globulins, Fraction II	08820412
Goat Gamma Globulin	08823501

## Serology Components

Name	Cat. No.
NZ Bovine Fibrinogen, 90% Clottable	0882022
Lactoferrin, Human, Purified	0855839
Hemoglobin, Human, Purified	0855914
High Density Lipoprotein (HDL), Human	0859433
Agglutinin, Wheat Germ	08790162
Phytohemagglutinin, Phaseolus Vulgaris	08791501
Thrombin, Bovine, 96.87 NIH U/mg Dry Weight	08820361
Transferrin, Human, Iron Saturated	08823431
Chondroitin Sulfate C	08970551



# ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA) KITS

- ▶ High sensitivity and specificity
- ▶ Sandwich assay principle

## RESEARCH ELISA KITS

Name	Cat. No.
Human	
Human APO A1, Apolipoprotein L1	08L100039
Human APO L1, Apolipoprotein L1	08L100040
Human IL1-Beta ELISA Kit	08L100041
Human IL6 ELISA Kit	08L100042
Human TNF-alpha ELISA Kit	08L100043

Name	Cat. No.
Mouse	
Mouse IL1-Beta ELISA Kit	08L100044
Mouse IL6 ELISA Kit	08L100045
Mouse TNF-alpha ELISA Kit	08L100046

## SARS-COV-2 RESEARCH ELISA KITS

Category	Name	Cat. No.
Wild type & Omicron Variant Quantification	SARS-CoV-2 Nucleoprotein ELISA Kit, Universal	08440300
	SARS-CoV-2 Nucleoprotein (Omicron, B.1.1.529) ELISA Kit	08L100020
Human Immune Response	Human anti-SARS-CoV-2 IgG ELISA Kit	08440100
	Human anti-SARS-CoV-2 IgM ELISA Kit	08440200

# SPECIALTY PROTEINS

## IMMUNOGLOBULINS

Immunoglobulins are useful for structural and biological studies, for use as reference standards or as starting material for the preparation of immunogens. MP Bio offers a selection of purified immunoglobulins from various animals, ensuring:

- ▶ Validation by immunoelectrophoresis
- ▶ Examination by double diffusion against heavy chain
- ▶ High purity

Name	Cat. No.
NZ Bovine IgG	0864140
IgG, Mouse, Lyophilized	0864146
Purified Rat IgG	08559512
IgG, Human, Positive Control (no IgA, IgM)	0855836
Secretory IgA, Human, Purified	0855905
IgA, Human Serum, Purified	0855906
IgG, Human, Purified	0855908
IgM, Human, Purified	0855916
Purified Bovine IgG	0855917
Purified Chicken IgG	0855920
Hamster IgG	0855933
IgG, Monkey, Purified, IgG	0855937
Purified Mouse IgG	0855939
Purified Rabbit IgG	0855944
Goat IgG	08641431
Horse IgG	08641441
IgG, Rat	08641481
IgG1, Human Myeloma, Purified	0864231

Name	Cat. No.
IgG1 (Kappa) MOPC 21, Mouse Myeloma, Purified	0850327
IgG2B (Kappa) MOPC 195, Mouse Myeloma, Purified	0850330
IgG2B (Kappa) MOPC, Mouse Myeloma, Purified	0850331
IgG3 (Kappa) FLOPC21, Mouse Myeloma, Purified	0850332
IgM (Lambda1) MOPC 104E, Mouse Myeloma, Purified	0850335
IgG1 (Kappa), Clone MOPC 21, Mouse Ascites	0850341
IgG2A (Kappa) UPC 10, Mouse Myeloma, Purified	0850342
IgG2B (Kappa), Mouse Ascites	0850344
IgG, Rabbit, Fluorescein-Conjugated	0855890
IgG f(ab') <sub>2</sub> , Human, Purified	0855910
Purified Human IgG Fc	0855911
IgG, Rabbit, Purified, IgG f(ab') <sub>2</sub>	0855946
IgG2, Human Myeloma, Purified	08642321
IgE, Human Myeloma	08643491

## ENZYMES

Name	Cat. No.
Horseradish Peroxidase (Rz > 3.0)	0836451
Zymolyase 100T (100 KU/g)	0832093
Pectolyase Y-23 ( <i>A. niger</i> )	0832097
Pectolyase Y-23 ( <i>A. japonicus</i> )	0832095
Hyaluronidase, <i>Streptomyces Hyalurolyticus</i>	08320421

Name	Cat. No.
Proline Specific Endopeptidase (from <i>Flavobacterium Meningosepticum</i> )	08320821
Zymolyase, 20T from <i>Arthrobacter luteus</i>	0832092
Cellulase Y-C (from <i>Trichoderma viride</i> )	08320961
Thermolysin	08321351

## SARS-COV-2 RECOMBINANT PROTEINS

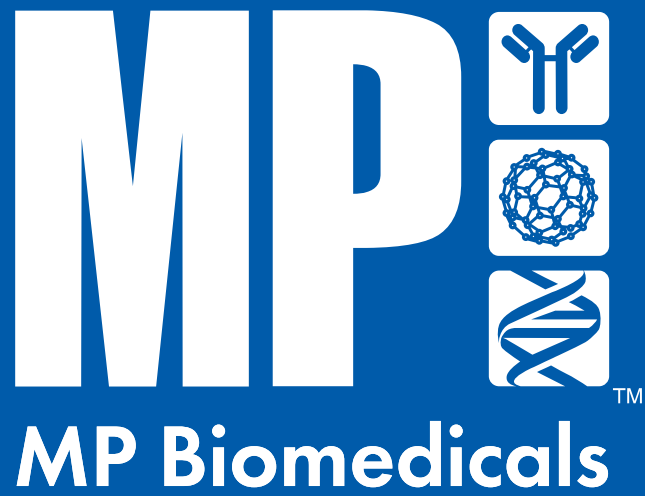
Domain	Name	Host Cell	Tag	Cat. No.
Spike S1	SARS-CoV-2 Spike S1 Protein	HEK293	C-His	08L100005
	Biotinylated SARS-CoV-2 Spike S1 Protein	HEK293	C-His-Avi	08L100006
Spike S2	SARS-CoV-2 Spike S2 ECD Protein	Sf9	C-His	08L100007
Spike RBD	SARS-CoV-2 Spike RBD Protein	HEK293	C-His	08L100008
	Biotinylated SARS-CoV-2 Spike RBD Protein	HEK293	C-His-Avi	08L100009
Spike S1, S2	SARS-CoV-2 S1 + S2 ECD (prefusion) Protein	HEK293	C-His	08L100010
	SARS-CoV-2 S1 + S2 (pre+post fusion) Protein	HEK293	C-His	08L100011
Nucleocapsid	SARS-CoV-2 Nucleocapsid Protein, His tagged	E. coli BL21(DE3)	N- & C-His	0872050
	Recombinant SARS-CoV-2 Nucleocapsid Protein (His tag)	Sf9	N-His	08L100012
Other	Biotinylated SARS-CoV-2 3C-like Protein	E. coli BL21(DE3)	N-His & Avi	08L100013
	SARS-CoV-2 Papain-like Protease	E. coli BL21(DE3)	N-His	08L100014
Omicron variant	SARS-CoV-2 Spike S1 (B.1.1.529 / Omicron) Protein	HEK293	His tag	08L100015
	SARS-CoV-2 Spike S (B.1.1.529 / Omicron) Trimer	HEK293	C-His	08L100016
	SARS-CoV-2 Spike RBD (B.1.1.529 / Omicron) Protein	HEK293	His tag	08L100017
	Biotinylated SARS-CoV-2 Spike S1 (B1.1.529 / Omicron) Protein	HEK293	C-His-Avi Tag	08L100018
ACE2	Human ACE2 Protein	E. coli BL21(DE3)	N- & C-His	0872060
	Human ACE2 Protein	HEK293	N-His	08L100019

## MITOGENS AND GROWTH FACTORS

Name	Cat. No.
Recombinant Human Epidermal Growth Factor	08982201
Recombinant Human GM-CSF	08P98468
Heregulinb-1, Human, Recombinant	08P984872
KGF (FGF-7), Human, Recombinant	08P985932
R-Spondin-3, Human, Recombinant	08P987202
Pokeweed Mitogen from Phytolacca Americana	087803
Pure Pokeweed Mitogen	08780341

## PROTEINS AND PROTEIN COMPONENTS

Name	Cat. No.
Protein G (recombinant)	08672651
Protein A (recombinant)	08987051
Purified Human Fibronectin	0855913
Apolipoprotein AI purified, Human	0859414
Streptavidin	08623001
Streptavidin-FITC	08623411
Alpha-Fetoprotein (AFP) Antigen	08770931
Actin, Purified from Rabbit	08771012
Neurofilament 68 kDa, Purified	08771092
Tubulin, Porcine, 99% Pure	08771151



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