



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

cappel

Catalog Number: 55228

Peroxidase-Conjugated Goat IgG Fraction To Human IgM (5Fc μ)

DESCRIPTION: Product is the lyophilized powder of horseradish peroxidase (HRP)-conjugated goat IgG fraction to human IgM (5Fc μ) and buffer salts.

Antibody and highly purified HRP ($R_z > 3.0$) are conjugated under defined conditions to obtain optimally labeled product. Conjugated protein is purified by salt fractionation. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, adjusted to standard titer, filtered through a 0.22 μ m filter, vialled and lyophilized.

USES: This product is suitable for use as a reagent in enzyme immunoassays (EIA), cell and tissue staining (for light microscopy), cell and tissue labeling (for electron microscopy), and blot immunostaining. (Note: F(ab')₂ fragments are recommended for staining of cells or tissues which contain Fc receptors. Affinity purified antibodies are recommended to avoid non-specific binding from inherent antibodies of host animals. See **Related Product Ordering Information** for these products.)

SPECIFICATIONS: The total protein is measured using the Biuret procedure with bovine albumin as the standard. To ensure that the product titer falls within the required range, antibody titer is standardized by microtiter plate ELISA with human IgM. The product is tested for purity and specificity at final concentration by immunoelectrophoresis. The antibody is predominantly goat IgG; no trace of albumin is detected. It shows reactivity to human IgM; cross-reactivity to other species may exist. Antibody activity to IgG, IgA, Fab, or non-immunoglobulin serum proteins is not present.

RECONSTITUTION: Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Do not add sodium azide. Avoid vigorous shaking of the reconstituted material.

RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55097 GOAT ANTI-HUMAN IGM (5 FC μ)2ML
55017 IGG GOAT ANTI-HUMAN IGM (5FC μ)5ML
55055 F(AB')₂ GOAT ANTI-HUMAN IGM (5FC μ)2ML
55073 AFF.PUR. GOAT ANTI-HUMAN IGM (5FC μ) 2MG
59288 AKP AFF.PUR. GOAT ANTI-HUMAN IGM (5FC μ)1ML
55247 HRP F(AB')₂ GOAT ANTI-HUMAN IGM (5FC μ)2ML
55255 HRP AFF.PUR. GOAT ANTI-HUMAN IGM (5FC μ)2ML
55916 PURIFIED HUMAN IGM5MG
36315 DAB6x1ML
36317 OPD6x1ML
36318 TMB6x1ML
36319 ABTS\6x1ML
55984 NORMAL GOAT SERUM2ML

ABTS is a registered trademark of Boehringer Mannheim GmbH.

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working](#)

[dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)