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## TECHNICAL INFORMATION

Catalog Number: 50327

### Purified Mouse Myeloma Protein IgG1 (Kappa) MOPC 21

**DESCRIPTION:** Product is purified mouse IgG<sub>1</sub> (K) and buffer.

Mouse IgG<sub>1</sub> (K) is purified from clarified mouse MOPC 21 ascites using multi-step procedures which may include salt fractionation, gel filtration, ion-exchange chromatography, affinity chromatography and immunoabsorption. The product is dialyzed into 0.02M TRIS, 0.15M sodium chloride, pH 8.1, filtered through a 0.22 µm filter and vialled.

**USES:** This product is suitable for use as a positive control in antibody identification screening techniques and is recommended as an ELISA coating antigen and control.

See **Related Product Ordering Information**.

**SPECIFICATIONS:** The total protein is determined by absorbance at 280nm. The product contains 1 mg of mouse IgG<sub>1</sub>.

The product is tested for purity at 1.0 mg/ml using immunoelectrophoresis. The product is mouse IgG<sub>1</sub>; no trace of IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgA, IgM or non-immunoglobulin serum proteins is detected.

### REFERENCE:

– Potter, M. "Immunoglobulin-producing Tumors and Myeloma Proteins of Mice." **Physiol. Rev.** 52: 631-719, 1972.

### RELATED PRODUCT ORDERING INFORMATION:

Catalog #DescriptionSize

55939 PURIFIED MOUSE IGG20MG  
50227 RABBIT ANTI-MOUSE IGG12ML  
50260 FITC AFF PUR RABBIT ANTI-MOUSE IGG1 2ML  
50282 HRP AFF PUR RABBIT ANTI-MOUSE IGG1 1ML  
50341 CLARIFIED MOUSE ASCITES IGG1(j) MOPC 21 5MG  
59569 AKP AFF PUR RABBIT ANTI-MOUSE IGG1 (NO X HUMAN)1ML

**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.](#)