Native Mouse IgG Fc Protein, Biotin conjugated

Cat. No. IgG-7438M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse IgG F(c) fragment Biotin conjugated. Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Mouse IgG, anti-Mouse IgG F(c) and anti-Mouse Serum. No reaction was observed against anti-Mouse IgG F(ab')2 or anti-Papain.
Species	Mouse
Source	Serum
Description	Immunoglobulins are major components of what is called the humoral immune response system. They are synthesized by lymphocytes and plasma cells and found in the serum and in other body fluids and tissues, including the urine, spinal fluid, lymph nodes, and spleen. Each immunoglobulin molecule consists of four polypeptide chains: two heavy chains (H chains) and two light chains (L chains). There are five antigenically different kinds of H chains, and this difference is the basis for the classification of immunoglobulins. The five major classes of immunoglobulins (Ig) are IgA, IgD, IgE, IgG, and IgM. Each class varies in its chemical structure and in its number of antigen-binding sites and adheres to and reacts only with the specific antigen for which it was produced.
Form	Lyophilized
Purity	This product was prepared from normal serum Delipidation, Salt Fractionation, Ion Exchange Chromatography followed by papain Digestion and extensive dialysis

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	against the buffer.
Applications	Immunoblotting, ELISA, Immunohistochemistry, Immunomicroscopy, as well as other antibody based assays using streptavidin or avidin conjugates.
Stability	Shelf life: one year from despatch.
Storage	Prior to reconstitution store at 2-8 centigrade. Following reconstitution store undiluted at 2-8 centigrade for one month or (in aliquots) at -20 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (by UV absorbance at 280 nm)
Storage Buffer	Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Label: Biotinamidocaproate N-Hydroxysuccinimide Ester. Biotin/Protein Ratio: 10-20 BAC molecules per Mouse IgG F(c) molecule. Stabilizer: 10 mg/ml BSA (IgG and Protease free) Presentation Label: Biotin
Preservative	0.01% (w/v) Sodium Azide
Reconstitution	Restore with 1.0 mL of deionized water(or equivalent)

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