

Native Mouse IgG Protein

Cat. No. IgG-7437M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This is an IgG preparation of whole Mouse serum.
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	Liquid
Purity	Purified by Protein A chromatography using a Low Endotoxin methodology
Applications	Suitable for use as a Control in Neutralization and other bioassays. Note: Low Endotoxin Control Mouse IgG can be utilized as a control or standard reagent in WB, ELISA, IHC and Neut experiments. Low endotoxin normal Mouse IgG is recommended for use as a isotype control

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immunoglobulin in place of a target specific primary antibody of the same isotype (mouse IgG).

Stability

Shelf life: Six months from despatch.

Storage

Store (in aliquots) at -20 centigrade.
This product is stable for several weeks at 2-8 centigrade as an undiluted liquid.
Dilute only prior to immediate use. Avoid repeated freezing and thawing.

Concentration

1.0 mg/mL (by UV absorbance at 280 nm)

Storage Buffer

0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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