

Recombinant Mouse IgG Protein

Cat. No. IgG-7441M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IgG protein, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
ProteinLength	98-330
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
Molecular Mass	26.6 kDa
AA Sequence	ADPEPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMLSLSPIVTCVVVDVSEDD

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PDVQISWVFNVEVHTAQTQTHREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNN
 KDLPAPIERTISKPKGSVRAPQVYVLPPEEEMTKKQVTLTCMVTDFMPEDIYVEWT
 NNGKTELNYKNTEPVLDSGYSYFMYSKLRVEKKNWVERNSYSCSVHEGLHNHHT
 TKSFSRTPGK

Purity > 90 % by SDS-PAGE

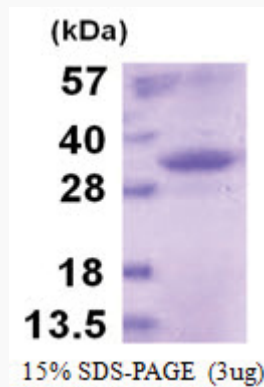
Stability Shelf life: one year from despatch.

Storage Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.

Concentration 0.5 mg/mL (determined by Bradford assay)

Storage Buffer 20 mM Tris-HCl buffer (pH 8.0)

SDS-PAGE



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