

Recombinant mouse Ighg, His-tagged

Cat. No. Ighg-15852M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IgG protein, fused to His tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.
Species	Mouse
Source	Hi-5 Insect Cells
ProteinLength	98-330aa
Description	Immunoglobulin G (IgG) is antibody molecules. Each IgG is composed of four peptide chains — two heavy chains gamma and two light chains. Each IgG has two antigen binding sites. IgG antibodies are involved in predominantly the secondary immune response. The presence of specific IgG, in general, corresponds to maturation of the antibody response. It also plays an important role in Antibody-dependent cell-mediated cytotoxicity(ADCC) and Intracellular antibody-mediated proteolysis, in which it binds to TRIM21 (the receptor with greatest affinity to IgG in humans) in order to direct marked virions to the proteasome in the cytosol.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
Molecular Mass	27.5kDa (242aa)
AA Sequence	ADPEPRGPTI KPCPPCKCPA PNLLGGPSVF IFPPKIKDVL MISLSPIVTC VVVDVSEDDP DVQISWVNN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DWMSGKEFKC KVNNDLPAP IERTISKPKG SVRAPQVYVL PPPEEEMTKK
QVTLCMVT D FMPEDIYVEW TNNGKTELNYKNTEPVLDSD GSYFMYSKLR
VEKKNWVERN SYSCSVVHEG LHNHHTTKSF SRTPGKHHHH HH

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [Ighg Immunoglobulin heavy chain \(gamma polypeptide\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol Ighg

Synonyms Ighg; Immunoglobulin heavy chain (gamma polypeptide); IGHG2A; AU044919

Gene ID [380794](#)

Chromosome Location 12 F2; 12

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