

Product information

IgG, 98-330aa

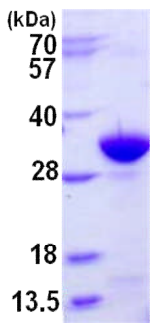
Mouse, His-tagged, Recombinant, *Baculovirus*

Cat. No. IBATGP1512

Full name: Immunoglobulin heavy chain constant region gamma 2a

NCBI Accession No.: CAC20702

Description: Immunoglobulin G (IgG) is antibody molecules. Each IgG is composed of four peptide chains — two heavy chains γ 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. 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.

<p>Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol,</p> <p>Molecular Weight: 27.5kDa (242aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids: <u>ADPEPRGPTI</u> KPCPPCKCPA PNLLGGPSVF IFPPKIKDVL MISLSPIVTC VVDVSEDDP DVQISWFVNN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNNDLPAP IERTISKPKG SVRAPQYVL PPPEEEMTKK QVTLTCMVD FMPEDIYVEW TNNGKTELNY KNTEPVLDSG GSYFMYSKLR VEKKNWVERN SYSCSVVHEG LHNHHTTKSF SRTPGK<u>HHHH</u> <u>HH</u></p>	

General references:

Mallery DL, *et al.* (2010) *Proc. Natl. Acad. Sci. U.S.A.* 107 (46): 19985–19990.

Stadlmann J, *et al.* (2008) *Proteomics* 8 (14): 2858–2871.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.