Product information



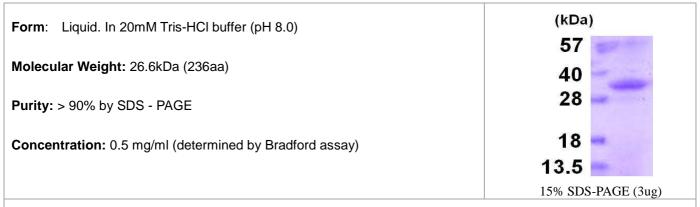
IgG , 98-330 aa

Mouse, Recombinant, Baculovirus

Cat. No. IBATGP1513

Full name: Immunoglobulin heavy chain constant region gamma 2a NCBI Accession No.: CAC20702

Description: Immunoglobulin G (IgG) are antibody molecules. Each IgG is composed of four peptide chains (two heavy chains y 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 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, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography techniques.



Sequences of amino acids:

ADPEPRGPTI KPCPPCKCPA PNLLGGPSVF IFPPKIKDVL MISLSPIVTC VVVDVSEDDP DVQISWFVNN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNNKDLPAP IERTISKPKG SVRAPQVYVL PPPEEEMTKK QVTLTCMVTD FMPEDIYVEW TNNGKTELNY KNTEPVLDSD GSYFMYSKLR VEKKNWVERN SYSCSVVHEG LHNHHTTKSF SRTPGK

General references:

Mallery DL., et al. (2010) Proc Natl Acad Sci. 16(46):19958-90.

Bruggemann M., et al. (1989) J Immunol. 1(9):3145-50.

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.



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