

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 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 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.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0)</p> <p>Molecular Weight: 26.6kDa (236aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p>  <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>ADPEPRGPTI</u> KPCPPCKCPA PNLLGGPSVF IFPPKIKDVL MISLSPIVTC VVDVSEDDP DVQISWVFN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNNDLPAP IERTISKPKG SVRAPQVYVL PPPEEEMTKK QVTLTCMVD FMPEDIYVEW TNNKTELNY KNTEPVLDSG GSYFMYSKLR VEKKNWVERN SYSCSVHEG LNHHTTKSF SRTPGK</p>	

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.

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



Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com