

## Mouse mIgG (98-330) - Purified

<b>Alternate names:</b>	Immunoglobulin G, Immunoglobulin heavy chain constant region gamma 2a
<b>Catalog No.:</b>	AR50337PU-S
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	Immunoglobulin G (IgG) are 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 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.
<b>NCBI:</b>	<a href="#">CAC20702</a>
<b>Species:</b>	Mouse
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0)
<b>Description:</b>	Recombinant mouse IgG protein, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography techniques. <b>AA Sequence:</b> ADPEPRGPTI KPCPPCKCPA PNLGGPSVF IFPPKIKDVL MISLSPIVTC VVVDVSEDDP DVQISWVFN VEVHTAQQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNKDL P IERTISKPKG SVRAPQVYVL PPPEEEMTKK QVTLLTCMVD FMPEDIYVEW TNGKTELNY KNEPVLDS GSYFMYSKLR VEKKNWVERN SYSCSVHEG LHNHHTTKSF SRTPGK <b>Molecular weight:</b> 26.6 kDa (236aa)
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Mallery DL., et al. (2010) Proc Natl Acad Sci. 16(46):19958-90. Bruggemann M., et al. (1989) J Immunol. 1(9):3145-50.

Pictures:

