

AR50336PU-S**Mouse mIgG (98-330, His-tag) - Purified**

Alternate names:	Immunoglobulin G, Immunoglobulin heavy chain constant region gamma 2a
Quantity:	0.1 mg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	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.
NCBI:	CAC20702
Species:	Mouse
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol
Description:	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. AA Sequence: ADPEPRGPTI KPCPPCKCPA PNLGGPSVF IFPPKIKDVL MISLSPIVTC VVVDVSEDDP DVQISWVFN VEVHTAQTQT HREDYNSTLR VVSALPIQHQ DWMSGKEFKC KVNKDLPPAP IERTISKPKG SVRAPQVYVL PPPEEEMTKK QVTLTCMVD FMPEDIYVEW TNNGKTELNY KNTPEVLSD GSYFMYSKLR VEKKNWVERN SYSCSVVHEG LHNHHTTKSF SRTPGKHHHH HH Molecular weight: 27.5 kDa (242aa)
Storage:	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.
General Readings:	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.

Pictures:

