

mlgG, 98-330aa, mouse, His tag, Baculovirus

Cat.NO.: TP02978

3th Edition

Synonyms:Immunoglobulin heavy chain constant region gamma 2a.

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

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.

Molecular Weight:27.5kDa (242aa)

Sequences:

ADPEPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPKIKDVLMSLSPIVTCVVVDVSEDDPDVQISWVFNNEVHTAQT
QTHREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNNKDLPAPIERTISKPKGVRAPQVYVLPPEEEMTKKQVTL
TCMVTDMPEDIYVEWTNNGKTELNYKNTEPVLDSGYSYFMYSKLRVEKKNWVERNSYSCSVVHEGLHNHHTTK
SFSRTPGKHHHHHH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.