IgG3 Fc Protein, Mouse (HEK293)

Cat. No.:	HY-P70251
Synonyms:	rMuIg gamma-3 chain C region/IgG3 Fc; Ig gamma-3 chain C region,IgG3 Fc
Species:	Mouse
Source:	HEK293
Accession:	P03987-2 (E97-T306)
Gene ID:	380795
Molecular Weight:	Approximately 31.0 kDa

PROPERTIES

AA Sequence	EPRIPKPSTP PGSSCPPGNI LGGPSVFIFP PKPKDALMIS LTPKVTCVVV DVSEDDPDVH VSWFVDNKEV HTAWTQPREA QYNSTFRVVS ALPIQHQDWM RGKEFKCKVN NKALPAPIER TISKPKGRAQ TPQVYTIPPP REQMSKKKVS LTCLVTNFFS EAISVEWERN GELEQDYKNT PPILDSDGTY FLYSKLTVDT DSWLQGEIFT CSVVHEALHN HHTQKNLSRS PGK
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years from date of receipt. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Human IgG consists of four subclasses: IgG1, IgG2, IgG3 and IgG4. In four subclasses, IgG3 has a relative high affinity towards each human Fcγ receptor (FcγRI, FcγRIIA/B/C, FcγRIIIA/B) and higher complement activation capacity[2]. IgG3 Fc protein is the high conserved Fc segment of IgG3 (Immunoglobulin G3). Human IgG3 Fc protein only shares about 68% aa sequence identity with mouse IgG3 Fc protein.

Caution: Product has not been fully validated for medical applications. For research use only.

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