

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	<pre> E P R I P K P S T P P G S S C P P G N I L G G P S V F I F P P K P K D A L M I S L T P K V T C V V V D V S E D D P D V H V S W F V D N K E V H T A W T Q P R E A Q Y N S T F R V V S A L P I Q H Q D W M R G K E F K C K V N N K A L P A P I E R T I S K P K G R A Q T P Q V Y T I P P P R E Q M S K K K V S L T C L V T N F F S E A I S V E W E R N G E L E Q D Y K N T P P I L D S D G T Y F L Y S K L T V D T D S W L Q G E I F T C S V V H E A L H N H H T Q K N L S R S P G K </pre>
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 ₂ O. 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. 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.
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Caution: Product has not been fully validated for medical applications. For research use only.

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