

IgG2B Fc Protein, Mouse (HEK293)

Cat. No.:	HY-P72602
Synonyms:	Ig gamma-2B chain C region; IgG2B Fc; Igh-3
Species:	Mouse
Source:	HEK293
Accession:	P01867-2 (E97-K335)
Gene ID:	16016
Molecular Weight:	30-32 kDa

PROPERTIES

AA Sequence	<pre> E P S G P I S T I N P C P P C K E C H K C P A P N L E G G P S V F I F P P N I K D V L M I S L T P K V T C V V V D V S E D D P D V Q I S W F V N N V E V H T A Q T Q T H R E D Y N S T I R V V S T L P I Q H Q D W M S G K E F K C K V N N K D L P S P I E R T I S K I K G L V R A P Q V Y I L P P P A E Q L S R K D V S L T C L V V G F N P G D I S V E W T S N G H T E E N Y K D T A P V L D S D G S Y F I Y S K L N M K T S K W E K T D S F S C N V R H E G L K N Y Y L K K T I S R S P G K </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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	<p>IgG2B Fc Protein is a member of many immunoglobulin G developed and secreted by effective B cells^[1]. In wake of cutting by pepsin, IgG is divided into two F(ab)s with one antigen binding site and a high conserved Fc segment^{[2][3]}. The Fc segment bears a highly conserved N-glycosylation site. There are two members of IgG2: IgG2a and IgG2b. It was found that IgG2a was superior to IgG1 in activating complement^[4]. The glycosylation of the circulating immunoglobulin-γ (IgG) antibody molecules changes in rheumatoid arthritis. Ig gamma-2 chain Fc region contains two constant regions of IgG2 H chain (CH2, CH3)^[5].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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