

IgG1 Protein, Mouse (HEK293)

Cat. No.:	HY-P70763
Synonyms:	Ig gamma-1 chain C region; IGHG1
Species:	Mouse
Source:	HEK293
Accession:	AAK53870.1 (P99-K324)
Gene ID:	/
Molecular Weight:	Approximately 30.0 kDa

PROPERTIES

AA Sequence	<pre> PRDCGCKPCI CTVPEVSSVF IFPPKPKDVL TITLTPKVTC VVVDISKDDP EVQFSWFVDD VEVHTAQQTQP REEQFNSTFR SVSELPIMHQ DWLNGKEFKC RVNSAAFAPAP IEKTI SKTKG RPKAPQVYTI PPPKEQMAKD KVS L TCMITD FFPEDITVEW QWNGQPAENY KNTQPIMDTD GSYFVYSKLN VQKSNWEAGN TFTCSVLHEG LHNHHT EKSL SHSPGK </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	The immunoglobulin heavy chain constant region is the heavy chain constant region of immunoglobulin. Sequence differences between immunoglobulin heavy chains leads to the various isotypes with different characteristic. The immunoglobulin heavy chain constant region affects kinetic and thermodynamic parameters of antibody variable region interactions with antigen ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA