

IgG2A Fc Protein, Rat (HEK293)

Cat. No.:	HY-P72604
Synonyms:	Ig gamma-2 chain C region; IgG2A Fc
Species:	Rat
Source:	HEK293
Accession:	P20760 (V98-K322)
Gene ID:	679045
Molecular Weight:	30-35 kDa

PROPERTIES

AA Sequence	<pre> V P R E C N P C G C T G S E V S S V F I F P P K T K D V L T I T L T P K V T C V V V D I S Q N D P E V R F S W F I D D V E V H T A Q T H A P E K Q S N S T L R S V S E L P I V H R D W L N G K T F K C K V N S G A F P A P I E K S I S K P E G T P R G P Q V Y T M A P P K E E M T Q S Q V S I T C M V K G F Y P P D I Y T E W K M N G Q P Q E N Y K N T P P T M D T D G S Y F L Y S K L N V K K E T W Q Q G N T F T C S V L H E G L H N H H T E K S L S H S P G K </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, pH 8.5.
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	IgG2a is one of the IgG antibodies subclasses. IgG2a is produced by B cells and responses to an antigen. IgG2a monoclonal antibodies can inhibit murine tumor growth ^[1] . IgG2a is involved in pathogen defense by opsonization/complement fixation and immune effector functions ^[2] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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