

Fc gamma RIIB/CD32b Protein, Mouse (181a.a, HEK293, His)

Cat. No.:	HY-P72735
Synonyms:	Low affinity immunoglobulin gamma Fc region receptor II; Fc-gamma-RIIB; Ly-17; CD32; Fcgr2
Species:	Mouse
Source:	HEK293
Accession:	P08101 (T30-P210)
Gene ID:	14130
Molecular Weight:	Approximately 33 kDa

PROPERTIES

AA Sequence	<p> T H D L P K A V V K L E P P W I Q V L K E D T V T L T C E G T H N P G N S S T Q W F H N G R S I R S Q V Q A S Y T F K A T V N D S G E Y R C Q M E Q T R L S D P V D L G V I S D W L L L Q T P Q L V F L E G E T I T L R C H S W R N K L L N R I S F F H N E K S V R Y H H Y S S N F S I P K A N H S H S G D Y Y C K G S L G R T L H Q S K P V T I T V Q G P K S S R S L P </p>
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	<p>Fc gamma RIIB/CD32b Protein functions as a receptor for the Fc region of complexed immunoglobulins gamma, exhibiting low affinity. It plays a role in various effector and regulatory functions, including the phagocytosis of antigen-antibody complexes from the circulation and the modulation of antibody production by B-cells. Isoform IIB1 and isoform IIB1' form caps but do not mediate endocytosis or phagocytosis, while isoform IIB2 can facilitate the endocytosis of soluble immune complexes via clathrin-coated pits. Both isoform IIB1 and isoform IIB2 can down-regulate the activation of B-cells, T-cells, and mast cells when coaggregated with B-cell receptors for AG (BCR), T-cell receptors for AG (TCR), and Fc receptors, respectively. Fc gamma RIIB/CD32b interacts with FGR and LYN (By similarity).</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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