

CD200R4 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77318
Synonyms:	Cell surface glycoprotein CD200 receptor 4; CD200RLa; Cd200r4
Species:	Mouse
Source:	HEK293
Accession:	Q6XJV4 (T26-T241)
Gene ID:	239849
Molecular Weight:	The protein migrates as an approximately 40-75 kDa band under reducing SDS-PAGE due to glycosylation.

PROPERTIES

AA Sequence	<p>T D E N Q T I Q N D S S S S L T Q V N T T M S V Q M D K K A L L C C F S S P L I</p> <p>N A V L I T W I I K H R H L P S C T I A Y N L D K K T N E T S C L G R N I T W A</p> <p>S T P D H S P E L Q I S A V A L Q H E G T Y T C E I V T P E G N L E K V Y D L Q</p> <p>V L V P P E V T Y F P G K N R T A V C E A M A G K P A A Q I S W T P D G D C V T</p> <p>K S E S H S N G T V T V R S T C H W E Q N N V S V V S C L V S H S T G N Q S L S</p> <p>I E L S Q G T M T T P R S L L T</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse CD200 R4 is present at 0.5 µg/mL can bind Recombinant Mouse CD200. The ED ₅₀ for this effect is 1.23 µg/mL.
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 CD200R4 Protein plays a significant role in the recruitment or surface expression of the TYROBP receptor, indicating its involvement in cellular processes related to immune regulation or signaling. The interaction with TYROBP underlines the molecular association that contributes to the functionality of CD200R4, potentially influencing downstream cellular responses. This interaction suggests a role for CD200R4 in mediating signaling events associated with TYROBP, highlighting its importance in immune modulation or other cellular activities that involve TYROBP signaling pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

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