

Nectin-2/CD112 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76507
Synonyms:	Nectin-2; CD112; NECTIN2; PVRL2; HVEB; PRR2
Species:	Cynomolgus
Source:	HEK293
Accession:	Q0MSE5 (Q32-L360)
Gene ID:	713229
Molecular Weight:	Approximately 47 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> Q D V R V Q V L P E V R G Q L G G T V E L P C H L L P P V P G L Y I S L V T W Q R P D A P P D H Q N V A A F H P K M G P S F P S P K P G S E R L S F V S A K Q S T R Q D T E A E L Q D A T L A L R G L T V E D E G N Y T C E F A T F P K G S V R G M T W L R V I A K P Q N H A E A Q E V T F S Q D P V P V A R C I S K E G R P P A R I S W L S S L D W E A K E T Q V S G T L A G T V T V T S R F T L V P S G R A D G V T V T C K V E H E S F E E P A L I P V T L S V R Y P P E V S I S G Y D D N W Y L G R T D A T L S C D V H S N P E P T G Y D W S T T S G I F P T S A V A Q G S Q L V I H A V D S L F N T T F V C T V T N A V G M G R A E Q V I F V R E T P R A S P R D M G P L </p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Cynomolgus Nectin-2/CD112 is immobilized at 0.5 µg/mL (100 µL/well), Recombinant Cynomolgus DNAM-1/CD226 binds with an ED ₅₀ of 0.5776 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

Nectin-2, a poliovirus receptor-related 2 protein, is a type I transmembrane glycoprotein and a member of the Ig gene superfamily. Nectin-2, also known as CD112, is an adhesion molecule involved in the formation of cell junctions and interactions with other Nectin-family molecules. Nectin-2 enables cell adhesion molecule binding. Nectin-2 is involved in acrosome assembly, fusion of virus membrane with host plasma membrane and positive regulation of natural killer cell mediated cytotoxicity directed against tumor cell target^{[1][2]}.

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

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