Product Data Sheet

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 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 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. Reconsititution 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.		
RPDAPPDHQN VAAFHPKMGP SFPSPKPGSE RLSFVSAKQS TRQDTEAELQ DATLALRGLT VEDEGNYTCE FATFPKGSVR GMTWLRVIAK PQNHAEAQEV TFSQDPVPVA RCISKEGRPP ARISWLSSLD WEAKETQVSG TLAGTVTVTS RFTLVPSGRA DGVTVTCKVE HESFEEPALI PVTLSVRYPP EVSISGYDDN WYLGRTDATL SCDVHSNPEP TGYDWSTTSG IFPTSAVAQG SQLVIHAVDS LFNTTFVCTV TNAVGMGRAE QVIFVRETPR ASPRDMGPL 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 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.	AA Sequence	ODVRVOVLPE VRGOLGGTVE LPCHLLPPVP GLYISLVTWO
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DESCRIPTION

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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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