

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

Cat. No.:	HY-P7781
Synonyms:	rMuCD112, His; Poliovirus Receptor-Related Protein 2; Herpes Virus Entry Mediator B; Herpesvirus Entry Mediator B; CD112; PVRL2; HVEB; PRR2
Species:	Mouse
Source:	HEK293
Accession:	P32507 (Q32-G351)
Gene ID:	19294
Molecular Weight:	40-45 kDa

PROPERTIES

AA Sequence	<pre> Q D V R V R V L P E V R G R L G G T V E L P C H L L P P T T E R V S Q V T W Q R L D G T V V A A F H P S F G V D F P N S Q F S K D R L S F V R A R P E T N A D L R D A T L A F R G L R V E D E G N Y T C E F A T F P N G T R R G V T W L R V I A Q P E N H A E A Q E V T I G P Q S V A V A R C V S T G G R P P A R I T W I S S L G G E A K D T Q E P G I Q A G T V T I I S R Y S L V P V G R A D G V K V T C R V E H E S F E E P I L L 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 S E A I L T C D V R S N P E P T D Y D W S T T S G V F P A S A V A Q G S Q L L V H S V D R M V N T T F I C T A T N A V G T G R A E Q V I L V R E S P S T A G A G A T G G H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, 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 (CD112) is a 60 (Nectin-2 α) or 65 kDa (Nectin-2 δ) type I TM glycoprotein that expressed in a variety of cells. Nectin is a Ca ²⁺ -independent immunoglobulin-like intercellular adhesion molecule. Nectin comprises a family of at least four members nectin-1, nectin-2, nectin-3 and nectin-4. All the members have two or three splice variants (except nectin-4), and
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have an extracellular region containing three Ig-like domains, a single transmembrane region and a cytoplasmic region (except nectin-1γ). Nectin-1, nectin-2 and nectin-3 are ubiquitously expressed in a variety of cells. Nectin-2 and nectin-3 are also expressed in cells that lack cadherins. Nectin-4 is expressed mainly in the placenta^{[1][2]}.

REFERENCES

[1]. Takai Y, et, al. Nectin and afadin: novel organizers of intercellular junctions. J Cell Sci. 2003 Jan 1;116(Pt 1):17-27.

[2]. Bottino C, et, al. Identification of PVR (CD155) and Nectin-2 (CD112) as cell surface ligands for the human DNAM-1 (CD226) activating molecule. J Exp Med. 2003 Aug 18;198(4):557-67.

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

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