

## Nectin-2/CD112 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78495
Synonyms:	CD112; MPH; Nectin2; PRR2; PVRL2; HVEB; PVRR2
Species:	Human
Source:	HEK293
Accession:	Q92692 (Q32-L360)
Gene ID:	5819
Molecular Weight:	45-52 kDa

### PROPERTIES

Biological Activity	Immobilized Human Nectin-2, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human PVRIG, mFc Tag with the EC <sub>50</sub> of 0.15µg/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
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 <sub>2</sub> O.
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, a versatile modulator of T-cell signaling, exhibits dual roles as a costimulator or coinhibitor, contingent upon the receptor it engages. Binding to CD226 prompts the stimulation of T-cell proliferation and cytokine production, including key players like IL2, IL5, IL10, IL13, and IFNG. In contrast, interaction with PVRIG results in the inhibition of T-cell proliferation, and these engagements are competitive in nature. Additionally, Nectin-2/CD112 serves as a probable cell adhesion protein, as indicated in previous studies. Furthermore, in the context of microbial infection, it acts as a receptor for herpes simplex virus 1 (HHV-1) mutant Rid1, herpes simplex virus 1 (HHV-2), and pseudorabies virus (PRV).
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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