

Nectin-4 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78374
Synonyms:	EDSS1; LNIR; Nectin4; PRR4; NECTIN4; PVRL4
Species:	Human
Source:	HEK293
Accession:	Q96NY8 (G32-V351)
Gene ID:	81607
Molecular Weight:	46-48 kDa

PROPERTIES

Biological Activity	Immobilized Human Nectin-4 at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Nectin-4 Antibody, hFc Tag with the EC ₅₀ of 8.0ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% 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 ₂ 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	The Nectin-4 Protein IgV domain plays a crucial role in cell adhesion, engaging in both trans-homophilic and -heterophilic interactions. Specifically, it forms interactions with NECTIN1, contributing to cellular adhesion processes. However, it does not function as a receptor for alpha-herpesvirus entry into cells. In the context of microbial infection, the Nectin-4 IgV domain acts as a receptor for measles virus, facilitating the entry of the virus into host cells. This highlights the dual role of Nectin-4 in cell adhesion and its significance as a specific receptor for measles virus infection.
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Caution: Product has not been fully validated for medical applications. For research use only.

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