

Active Recombinant Human NECTIN4 Homodimer Protein, His tagged

Cat. No. NECTIN4-50H Lot. No. (See product label)

SPECIFICATION

Product Overview	Nectin-4 protein cis-dimer (amino acids Gly32-Ser349) contains Nectin-4 extracellular 3 Ig-like domains (UniProt# Q96NY8) with a homodimer motif and a His tag at the C-terminus was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	32-349 aa
Description	Nectin-4, also known as PVRL-4, is a type 1 integral membrane glycoprotein that can form a homo-cis dimer on the cell membrane. It consists of an extracellular region with three immunoglobulin-like (Ig-like) domains, organized as a variable-like (Ig-V) domain followed by two constant-like (Ig-C) domains (V-C-C), one transmembrane region, and a cytoplasmic domain. Nectin-4 promotes tumor growth and is overexpressed in numerous tumor types such as breast, lung, ovarian, urothelial, colorectal, and pancreatic cancer. Nectin-4 is a ligand of TIGIT (T-cell immunoreceptor with Ig and ITIM domains). Nectin-4 is an emerging target of cancer therapeutics. A recombinant protein mimicking the Nectin-4 native dimer conformation can be crucial for therapeutic antibody and vaccine discovery.
Molecular Mass	92 kDa
Purity	Greater than 90% dimer form as determined by SDS-PAGE under non-reducing

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	condition
Application	Verified Applications: ELISA, Western blot for Nectin-4-specific antibody and TIGIT receptor protein binding assays; animal immunization, RUO Suggested Applications: BLI, SPR, B cell sorting
Storage	Store at -80 centigrade.
Storage Buffer	0.22µm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

GENE INFORMATION

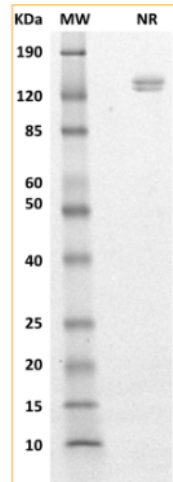
Gene Name	NECTIN4 nectin cell adhesion molecule 4 [Homo sapiens (human)]
Official Symbol	NECTIN4
Synonyms	NECTIN4; nectin cell adhesion molecule 4; LNIR; PRR4; EDSS1; PVRL4; nectin-4; nectin-4; Ig superfamily receptor LNIR; nectin 4; poliovirus receptor-related 4; poliovirus receptor-related protein 4
Gene ID	81607
mRNA Refseq	NM_030916
Protein Refseq	NP_112178
MIM	609607
UniProt ID	Q96NY8

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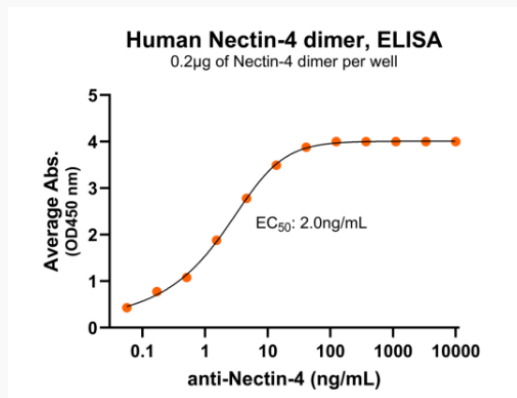
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SDS-PAGE and WB



MW: Molecular Weight marker reduced condition NR: Nectin-4 dimer under non-reducing condition

Bioactivity-Antibody Binding



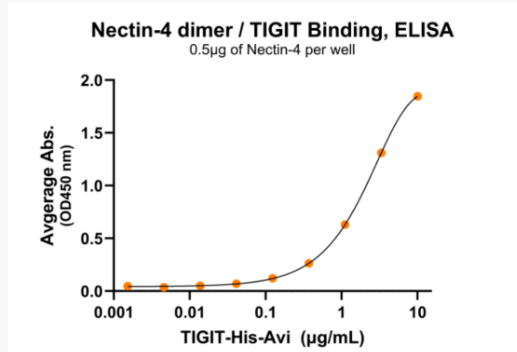
Immobilized human Nectin-4 dimer protein at 2 µg/mL (100 µL/well) can bind anti-human Nectin-4 monoclonal antibody with half maximal effective concentration (EC50) range of 1.1 – 4.3 ng/mL (QC tested).

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**Bioactivity-Ligand
Binding**



Immobilized human Nectin-4 dimer protein at 5 µg/mL (100 µL/well) can bind TIGIT-His-Avi dimer protein (QC tested).

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