

For Research Use Only

nectin 4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83223-3-PBS



Basic Information

Catalog Number:	83223-3-PBS	GenBank Accession Number:	BC010423	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	81607	CloneNo.:	240009F8
Source:	Rabbit	UNIPROT ID:	Q96NY8	Affinity:	$K_D = 5.81 \times 10^{-10}$
Isotype:	IgG	Full Name:	poliovirus receptor-related 4		$K_{off} = 1.47 \times 10^{-4}$
		Calculated MW:	510 aa, 55 kDa		$K_{on} = 2.53 \times 10^5$

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

Nectin-4, also known as PVRL4, is a type-I transmembrane glycoprotein that belongs to the nectin subfamily of immunoglobulin-like adhesion molecules that participate in Ca^{2+} -independent cell-cell adhesion (PMID: 18703497). The extracellular domain of Nectin-4, which contains three immunoglobulin-like domains (V and two C2-type domains, VCC), can be proteolytically cleaved to release a soluble form. Nectin-4 interacts with afadin via its carboxyl-terminal cytoplasmic sequence and trans-interacts with nectin-1/PRR1 through V domain interaction (PMID: 11544254). It acts as a receptor for measles virus (PMID: 22048310). Nectin-4 is overexpressed in multiple human malignancies and the aberrant expression is correlated with cancer progression and poor prognostic (PMID: 35131876). Nectin-4 can be detected as a soluble form of 43 kDa and a transmembrane form of 66 kDa (PMID: 15784625).

Storage

Storage:
Store at -80°C .
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

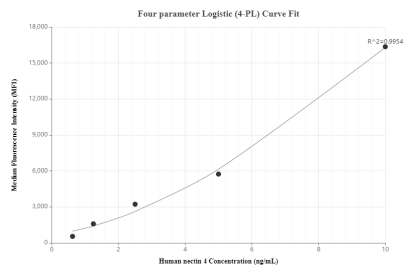
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E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Cytometric bead array standard curve of MP00147-2, Nectin-4/PVRL4 Recombinant Matched Antibody Pair - PBS only. Capture antibody: 83223-1-PBS. Detection antibody: 83223-3-PBS. Standard: Eg0415. Range: 0.625-10 ng/mL