

For Research Use Only

Nectin-1/PVRL1 Recombinant monoclonal antibody

Catalog Number:87689-3-RR



Basic Information

Catalog Number: 87689-3-RR	GenBank Accession Number: NM_021424.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 58235	CloneNo.: 253084B3
Isotype: IgG	UNIPROT ID: Q9JKF6	Recommended Dilutions: WB: 1:500-1:2000
Immunogen Catalog Number: EG5255	Full Name: poliovirus receptor-related 1	
	Calculated MW: 57 kDa	
	Observed MW: 90 kDa, 57 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue, mouse cerebellum tissue
Species Specificity: mouse, rat	

Background Information

Nectins are a family of immunoglobulin-like cell adhesion molecules comprising four members, nectin-1 to nectin-4, each consisting of an extracellular region with three immunoglobulin-like loops, a single transmembrane domain and a cytoplasmic domain (PMID: 12901789, 18703497). Nectins are involved in cell adhesion, migration, polarization, morphogenesis, proliferation, differentiation, and survival. Nectin-1, also known as PVRL1, HVEC and CD111, is widely expressed in a variety of cell types including epithelial cells, neurons, and fibroblasts (PMID: 12901789). It promotes cell-cell contacts by forming homophilic or heterophilic trans-dimers. Nectin-1 acts as a receptor for several alphaherpesviruses, including herpes simplex viruses (HSV) 1 and 2, porcine pseudorabies virus (PRV), and bovine herpesvirus 1 (BHV-1) (PMID: 9616127). Nectin-1 is a glycoprotein, the glycosylated form has a larger apparent molecular weight than the calculated molecular weight of 57 kDa (PMID: 12376527; 15731277).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

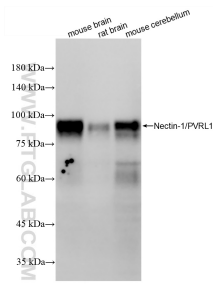
T: 4006900926

E: Proteintech-CN@ptglab.com

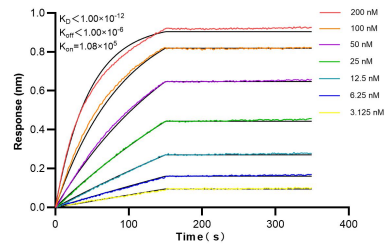
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87689-3-RR (Nectin-1/PVRL1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87689-3-RR against Mouse Nectin-1/PVRL1 were performed. The affinity constant is below 1 pM.