

For Research Use Only

Mouse Nectin-1/PVRL1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87689-3-PBS



Basic Information

Catalog Number: 87689-3-PBS	GenBank Accession Number: NM_021424.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 58235	CloneNo.: 253084B3
Source: Rabbit	UNIPROT ID: Q9JKF6	
Isotype: IgG	Full Name: poliovirus receptor-related 1	
Immunogen Catalog Number: EG5255	Calculated MW: 57 kDa	
	Observed MW: 90 kDa, 57 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

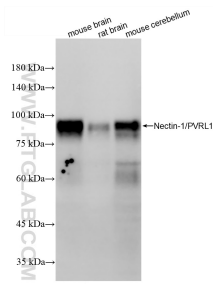
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

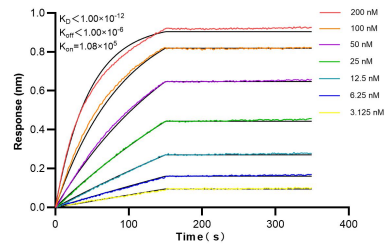
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 87689-3-PBS in a different storage buffer formulation.



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