

For Research Use Only

Nectin-1/PVRL1 Recombinant monoclonal antibody

Catalog Number:87689-3-RR



Basic Information

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|--|--|---|
| Catalog Number: 87689-3-RR | GenBank Accession Number: NM_021424.2 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 58235 | CloneNo.: 253084B3 |
| Source: Rabbit | UNIPROT ID: Q9JKF6 | Recommended Dilutions: WB: 1:500-1:2000 |
| Isotype: IgG | Full Name: poliovirus receptor-related 1 | |
| Immunogen Catalog Number: EG5255 | Calculated MW: 57 kDa | |
| | Observed MW: 90 kDa, 57 kDa | |

Applications

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|---|---|
| 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

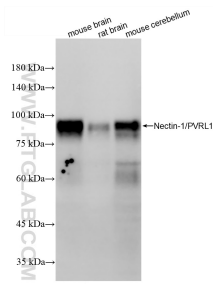
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

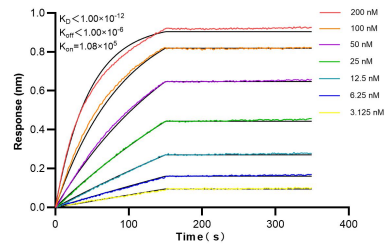
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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