

For Research Use Only

Nectin-4/PVRL4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83223-4-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 83223-4-PBS | GenBank Accession Number: BC010423 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 81607 | CloneNo.: 240009F2 |
| Source: Rabbit | UNIPROT ID: Q96NY8 | Affinity: $K_D = 2.28 \times 10^{-10}M$ |
| Isotype: IgG | Full Name: poliovirus receptor-related 4 | $K_{off} = 2.98 \times 10^{-5}M$ |
| | Calculated MW: 510 aa, 55 kDa | $K_{on} = 2.62 \times 10^5M$ |

Applications

Tested Applications:
IF/ICC, FC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83223-4-PBS targets Nectin-4/PVRL4 as part of a matched antibody pair.

MP00147-1: 83223-1-PBS capture and 83223-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Nectin-4, or PVRL4, belongs to the family of cell adhesion molecules that regulate the formation of adherence functions in epithelial cells through the AF-6 afadin scaffold molecule. Nectin-4 is reported as a histological and serological marker for breast carcinoma. 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.

Storage Buffer:
PBS Only

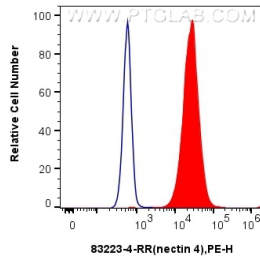
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

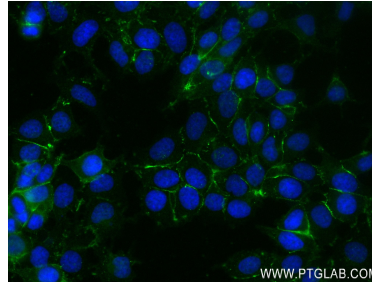
E: proteintech@ptglab.com
W: ptglab.com

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

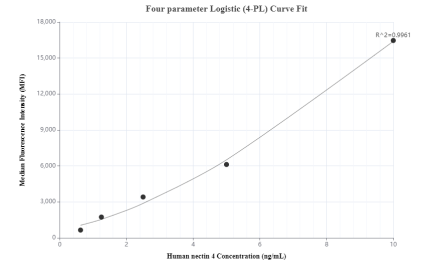
Selected Validation Data



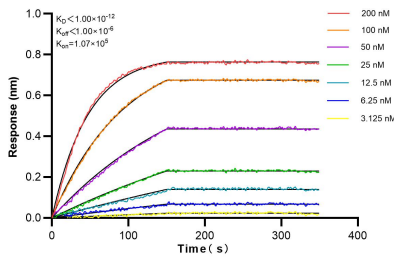
1x10⁶ MCF-7 cells were surface stained with 0.25 ug Nectin-4/PVRL4 Recombinant Antibody (83223-4-RR, Clone: 240009F2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 83223-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Nectin-4/PVRL4 antibody (83223-4-RR, Clone: 240009F2) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83223-4-PBS in a different storage buffer formulation.



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



Biolayer interferometry (BLI) kinetic assays of 83223-4-RR against Human Nectin-4/PVRL4 were performed. The affinity constant is below 1 pM.