

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: 1 mg/ml | GeneID (NCBI): 81607 | CloneNo.: 240009F2 |
| Source: Rabbit | UNIPROT ID: Q96NY8 | Affinity: $K_D = 2.28 \times 10^{-10}$ |
| Isotype: IgG | Full Name: poliovirus receptor-related 4 | $K_{off} = 2.98 \times 10^{-5}$ |
| | Calculated MW: 510 aa, 55 kDa | $K_{on} = 2.62 \times 10^5$ |

Applications

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

Species Specificity:
human

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.
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:

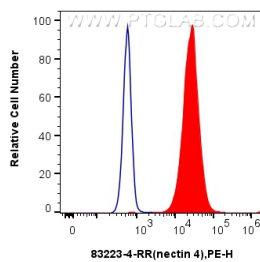
T: 4006900926

E: Proteintech-CN@ptglab.com

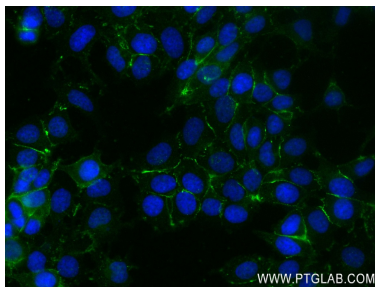
W: ptgcn.com

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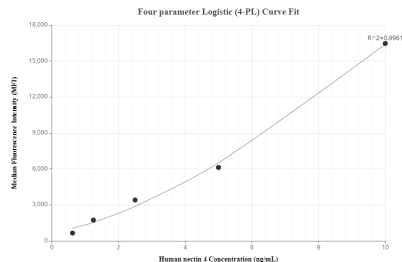
Selected Validation Data



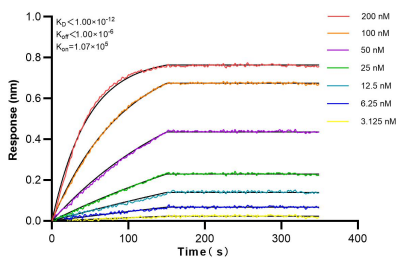
1x10⁶ MCF-7 cells were surface stained with 0.25 ug Nectin-4/PVRL4 Recombinant Antibody (83223-4-RR, Clone: 240009F2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 83223-4-PBS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