Recombinant Nectin 4 / Nectin Cell Adhesion Molecule 4 / PVRL4 Antibody

Rabbit Monoclonal Antibody [Clone NECTIN4/13438R]

Catalog No	Format	Size
81607-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
81607-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
81607-RBM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

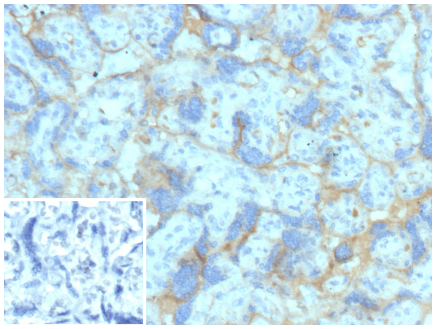
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

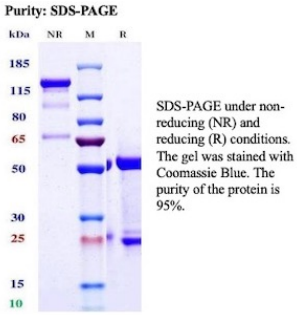
Clone	NECTIN4/13438R
Gene Name	NECTIN4
Immunogen	Recombinant fragment (around aa266-280) of human NECTIN4 protein corresponding to the extracellular domain (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	66kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Human tonsil, placenta or breast. MCF-7 or T47D cells.

**Optimal dilution for a specific application should be determined.*

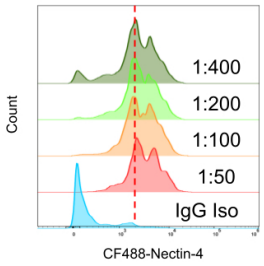
Product Images for Recombinant Nectin 4 / Nectin Cell Adhesion Molecule 4 / PVRL4 Antibody



Formalin-fixed, paraffin-embedded human placenta stained with Nectin 4 Recombinant Rabbit Monoclonal Antibody (NECTIN4/13438R). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified NECTIN4 Recombinant Rabbit Monoclonal Antibody (NECTIN4/13438R). Confirmation of Purity and Integrity of Antibody.



Flow cytometric analysis of cell-surface Nectin-4 on T47D (human ductal breast epithelial tumor epithelial) cells. T47D cells were stained with recombinant rabbit anti–Nectin-4 monoclonal antibody (NECTIN4/13438R) at dilutions of 1:50 (4 ?g/ml; dark red), 1:100 (2 ?g/ml; orange), 1:200 (1 ?g/ml; light green) and 1:400 (0.5 ?g/ml; dark green), then incubated with goat anti-rabbit IgG–CF488. CF488 fluorescence intensity (log?? scale; x-axis) is plotted against relative cell count (y-axis). Progressive rightward shifts with increasing antibody concentration demonstrate dilution-dependent binding of Nectin-4. The blue histogram corresponds to the isotype control.

Specificity & Comments

Homologous to the poliovirus receptor (PVR/CD155), the nectin immunoglobulin superfamily comprises four known isoforms (-1, -2, -3, and -4). The ectodomain of nectin family members comprises three Ig-like domains (V, C, C). Nectins localize at the adherens junctions (AJ) in epithelial and endothelial cells where they serve as adhesion molecules. Actin-based AJs play a role in mechanical adhesion, cellular morphogenesis and cellular differentiation. Nectin associates with the Actin cytoskeleton through its interaction with the Actin filament-binding protein afadin. Nectin 4 and afadin co-localize at cadherin-based adherens junctions in MDCKII epithelial cells. Nectin 4 and Nectin 3 share a common binding region in the V domain of Nectin 1 and thus compete for Nectin 1 binding. The Nectin 3/4 binding domain maps to the C-C'-C''-D b strands of the V domain of Nectin 1. Unlike other nectins, which are more widely expressed, Nectin 4 is mainly expressed in the placenta.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Angiogenesis, Cancer, Immuno Oncology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.