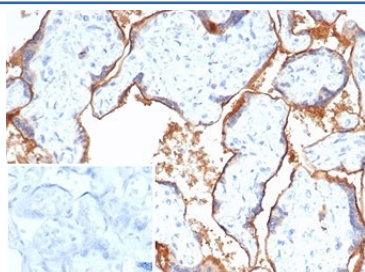


PVRL4 Antibody / Nectin-4 [clone NECT4/7271] (V4056)

Catalog No.	Formulation	Size
V4056-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4056-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4056SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	NECT4/7271
Purity	Protein A/G affinity
UniProt	Q96NY8
Localization	Cell surface, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This PVRL4 antibody is available for research use only.



IHC staining of FFPE human placental tissue with PVRL4 antibody (clone NECT4/7271). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 strands of the V domain of Nectin 1. Unlike other nectins, which are more widely expressed, Nectin 4 is mainly expressed in the placenta.

Application Notes

Optimal dilution of the PVRL4 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 from the human protein was used as the immunogen for the PVRL4 antibody.

Storage

Aliquot the PVRL4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.