

For Research Use Only

Mouse CD232/PLXNC1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87759-3-PBS



Basic Information

Catalog Number: 87759-3-PBS	GenBank Accession Number: NML_018797.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 54712	CloneNo.: 252223A10
Source: Rabbit	UNIPROT ID: Q9QZC2	
Isotype: IgG	Full Name: plexin C1	
Immunogen Catalog Number: EG6304	Calculated MW: 176 kDa	
	Observed MW: 220 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
mouse

Background Information

CD232/PLXNC1 is a class C plexin surface receptor that mediates SEMA7A-dependent signaling to control cell migration, adhesion, and cytoskeletal dynamics in immune and stromal compartments. Its expression in monocytes/macrophages, dendritic cells, and endothelial-associated tissues supports important roles in inflammation, tissue remodeling, and fibrotic responses. Dysregulation of the PLXNC1 signaling axis has been linked to tumor progression, vascular inflammation, and fibrosis, highlighting PLXNC1 as a multifunctional receptor in immune and microenvironmental biology.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

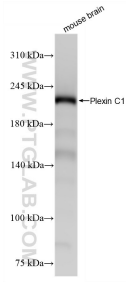
For technical support and original validation data for this product please contact:

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

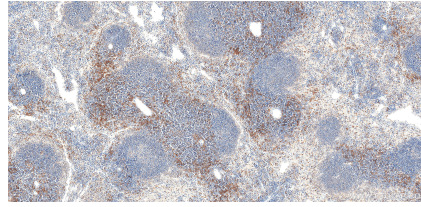
E: proteintech@ptglab.com
W: ptglab.com

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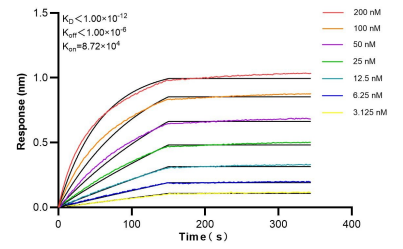
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 87759-3-RR (CD232/PLXNC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87759-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 87759-3-RR (CD232/PLXNC1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87759-3-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87759-3-RR against Mouse CD232/PLXNC1 were performed. The affinity constant is below 1 pM.