

For Research Use Only

# CD232/PLXNC1 Recombinant monoclonal antibody

Catalog Number: 87759-3-RR



## Basic Information

<b>Catalog Number:</b> 87759-3-RR	<b>GenBank Accession Number:</b> NM_018797.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54712	<b>CloneNo.:</b> 252223A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9QZC2	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> plexin C1	
<b>Immunogen Catalog Number:</b> EG6304	<b>Calculated MW:</b> 176 kDa	
	<b>Observed MW:</b> 220 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** mouse brain tissue,  
**IHC :** mouse spleen tissue,

## 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

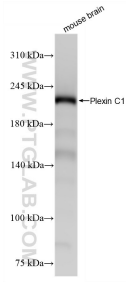
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

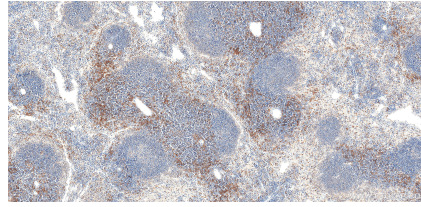
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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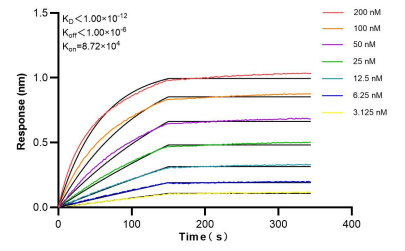
## Selected Validation Data



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.



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).



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