

For Research Use Only

CD296/ART1 Recombinant monoclonal antibody

Catalog Number: 87577-1-RR



Basic Information

Catalog Number: 87577-1-RR	GenBank Accession Number: NM_009710.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 11870	CloneNo.: 252922A3
Source: Rabbit	UNIPROT ID: Q60935	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: ADP-ribosyltransferase 1	
Immunogen Catalog Number: EG6314	Calculated MW: 36 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse skeletal muscle tissue, rat skeletal muscle tissue, mouse heart tissue
Species Specificity: mouse, rat	

Background Information

CD296 (ART1) is a GPI-anchored ecto-ADP-ribosyltransferase that catalyzes extracellular mono-ADP-ribosylation of cell-surface proteins. By modifying integrins and other membrane-associated targets, ART1 regulates cell adhesion, migration, and inflammatory signaling. Its overexpression in multiple cancers and involvement in airway and tissue remodeling highlight ART1 as a functional mediator at the interface of cell-surface modification and disease progression.

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

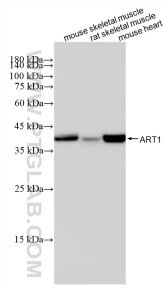
For technical support and original validation data for this product please contact:

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

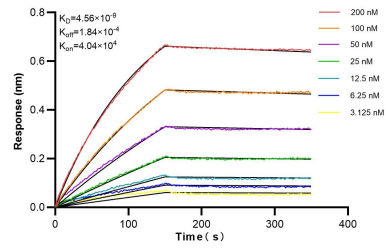
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87577-1-RR (CD296/ART1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87577-1-RR against Mouse CD296/ART1 were performed. The affinity constant is 4.56 nM.