

For Research Use Only

# Mouse CD296/ART1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87577-1-PBS



## Basic Information

<b>Catalog Number:</b> 87577-1-PBS	<b>GenBank Accession Number:</b> NM_009710.4	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 11870	<b>CloneNo.:</b> 252922A3
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q60935	
<b>Immunogen Catalog Number:</b> EG6314	<b>Full Name:</b> ADP-ribosyltransferase 1	
	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

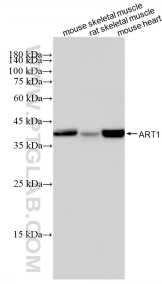
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

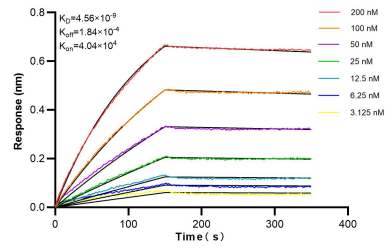
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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. This data was developed using the same antibody clone with 87577-1-PBS in a different storage buffer formulation.



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