

For Research Use Only

# CD297/ART4 Recombinant monoclonal antibody

Catalog Number:87399-1-RR



## Basic Information

<b>Catalog Number:</b> 87399-1-RR	<b>GenBank Accession Number:</b> NM_026639.2	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 109978	<b>CloneNo.:</b> 252721F4
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9CRA0	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Immunogen Catalog Number:</b> EG6315	<b>Full Name:</b> ADP-ribosyltransferase 4	
	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse spleen tissue, mouse thymus tissue, mouse liver tissue
<b>Species Specificity:</b> mouse	

## Background Information

CD297/ART4 is a GPI-anchored ecto-ADP-ribosyltransferase best known as the molecular carrier of Dombrock blood group antigens on erythrocytes. Expressed on red blood cells, hematopoietic progenitors, and select immune cells, it participates in cell-surface signaling and immune recognition, though its catalytic activity is limited. CD297/ART4 polymorphisms underlie clinically significant transfusion reactions, making it a key target in hematology, transfusion medicine, and erythroid 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

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

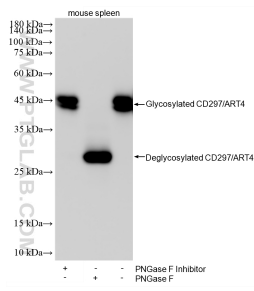
T: 4006900926

E: Proteintech-CN@ptglab.com

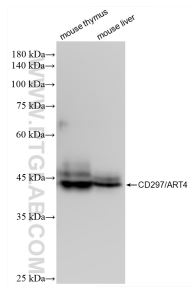
W: ptgcn.com

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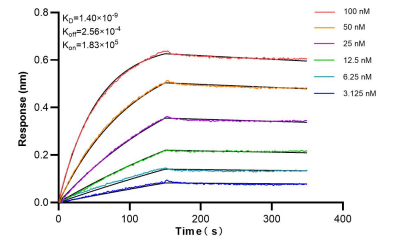
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87399-1-RR (CD297/ART4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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Bi-layer interferometry (BLI) kinetic assays of 87399-1-RR against Mouse CD297/ART4 were performed. The affinity constant is 1.40 nM.