

For Research Use Only

# Mouse CD297/ART4 Polyclonal antibody, PBS Only

Catalog Number: 33949-1-PBS



## Basic Information

**Catalog Number:**

33949-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG6315

**GenBank Accession Number:**

NM\_026639.2

**GeneID (NCBI):**

109978

**UNIPROT ID:**

Q9CRA0

**Full Name:**

ADP-ribosyltransferase 4

**Calculated MW:**

33 kDa

**Observed MW:**

58 kDa

**Purification Method:**

Antigen affinity Purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

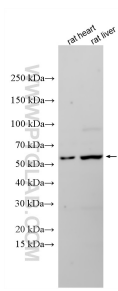
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33949-1-AP (CD297/ART4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33949-1-PBS in a different storage buffer formulation.