

For Research Use Only

# CD93 Polyclonal antibody

Catalog Number: 33313-1-AP



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>33313-1-AP                          | <b>GenBank Accession Number:</b><br>NM_010740.3 | <b>Purification Method:</b><br>Antigen affinity Purification          |
| <b>Size:</b><br>150ul , Concentration: 350 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>17064                  | <b>Recommended Dilutions:</b><br>WB: 1:500-1:2000<br>IHC: 1:200-1:800 |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>O89103                    |   |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>CD93 antigen               |   |
| <b>Immunogen Catalog Number:</b><br>EG3116                    | <b>Calculated MW:</b><br>69 kDa                 |   |
|   | <b>Observed MW:</b><br>120 kDa, 90 kDa          |   |

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

mouse, rat

**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 : bEnd.3 cells, mouse spleen tissue, rat spleen tissue

IHC : mouse spleen tissue,

## Background Information

CD93, also known as C1qR or C1qR(p), is a single-pass type I transmembrane glycoprotein and a member of the group 14 of the C-type lectin-like domain (CTLD) superfamily, which also includes endosialin/CD248, thrombomodulin, and CLEC14A (PMID: 31287944). CD93 consists of a C-type lectin-like domain, five EGF-like repeats, a mucin-like domain, a transmembrane domain and a cytoplasmic domain (PMID: 28912033). CD93 is mainly expressed on endothelial cells and has been reported to be expressed by neurons and various cells of the hematopoietic system, including monocytes, neutrophils, B cells, natural killer cells, platelets and hematopoietic stem cells (PMID: 37443812). CD93 plays a role in various physiological processes including angiogenesis, inflammation, and cell adhesion (PMID: 31287944).

## 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

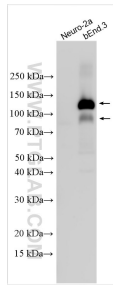
For technical support and original validation data for this product please contact:

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

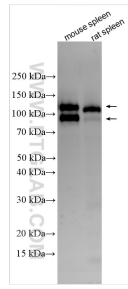
E: proteintech@ptglab.com  
W: ptglab.com

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

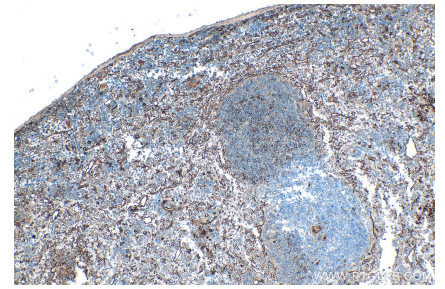
## Selected Validation Data



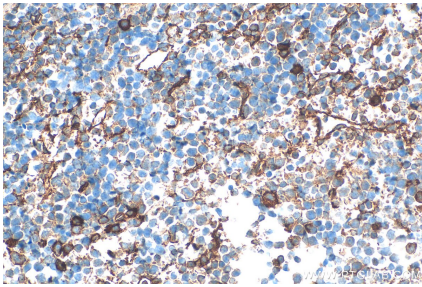
Various lysates were subjected to SDS PAGE followed by western blot with 33313-1-AP (CD93 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 33313-1-AP (CD93 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 33313-1-AP (CD93 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).