

For Research Use Only

# CD93 Recombinant monoclonal antibody

Catalog Number:86071-4-RR



## Basic Information

<b>Catalog Number:</b> 86071-4-RR	<b>GenBank Accession Number:</b> NM_010740.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 17064	<b>CloneNo.:</b> 250526C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O89103	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD93 antigen	
<b>Immunogen Catalog Number:</b> EG3116	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 90-120 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 :** rat lung tissue, mouse lung tissue, rat heart tissue, mouse heart 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

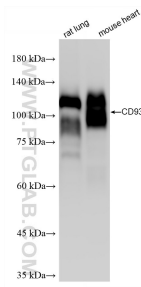
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

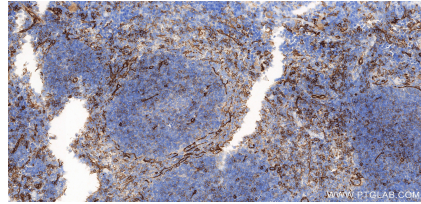
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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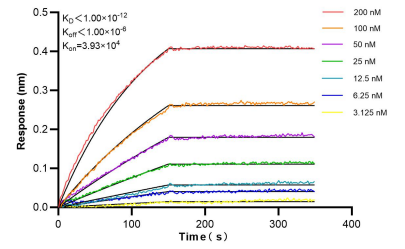
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86071-4-RR (CD93 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 86071-4-RR (CD93 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biacore BLI kinetic assays of 86071-4-RR against Mouse CD93 were performed. The affinity constant is below 1 pM.