

For Research Use Only

CD93 Recombinant monoclonal antibody

Catalog Number: 86071-4-RR



Basic Information

Catalog Number: 86071-4-RR	GenBank Accession Number: NM_010740.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 17064	CloneNo.: 250526C6
Isotype: IgG	UNIPROT ID: O89103	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:500-1:2000
Immunogen Catalog Number: EG3116	Full Name: CD93 antigen	
	Calculated MW: 69 kDa	
	Observed MW: 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

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

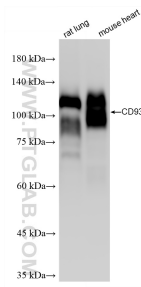
T: 4006900926

E: Proteintech-CN@ptglab.com

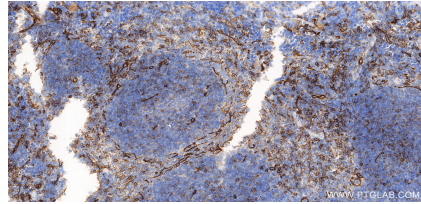
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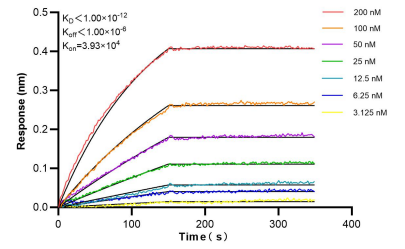
Selected Validation Data



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).



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