

For Research Use Only

Mouse CD93 Recombinant monoclonal antibody, PBS Only

Catalog Number:86071-4-PBS



Basic Information

Catalog Number:

86071-4-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3116

GenBank Accession Number:

NM_010740.3

GeneID (NCBI):

17064

UNIPROT ID:

O89103

Full Name:

CD93 antigen

Calculated MW:

69 kDa

Observed MW:

90-120 kDa

Purification Method:

Protein A purification

CloneNo.:

250526C6

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

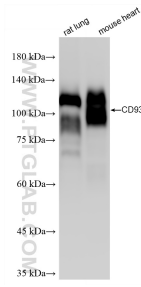
T: 4006900926

E: Proteintech-CN@ptglab.com

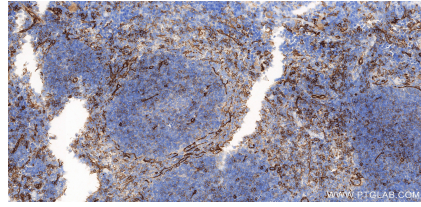
W: ptgcn.com

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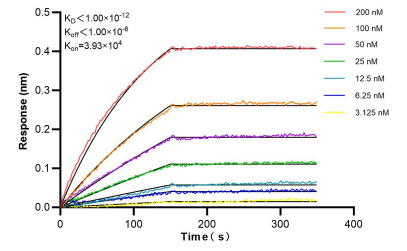
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86071-4-RR (CD93 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86071-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86071-4-PBS in a different storage buffer formulation.



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