For Research Use Only

Anti-Mouse CD93 Rabbit Recombinant Antibody

Catalog Number:98496-1-RR

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Basic Information

Catalog Number:
98496-1-RR

Concentration:
100ug, 1000 μg/ml

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

Purification Method:
Protein A purification

CloneNo.:
250526G11

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse bone marrow cells,

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).

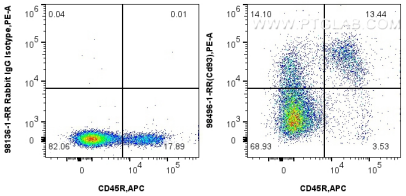
Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

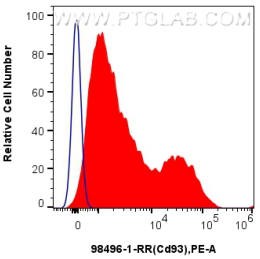
For technical support and original validation data for this product please contact:
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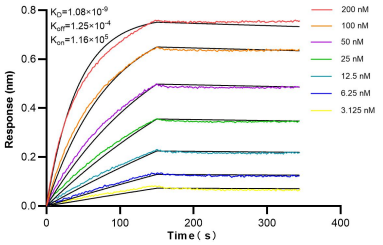
Selected Validation Data



1x10^6 mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD93 Rabbit RecAb (98496-1-RR, Clone: 250526G11) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse CD45R. Cells were not fixed.



1x10^6 mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD93 Rabbit RecAb (98496-1-RR, Clone: 250526G11) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98496-1-RR against Mouse CD93 were performed. The affinity constant is 1.08 nM.