

For Research Use Only

Anti-Human ADAM17 Rabbit Recombinant Antibody

Catalog Number: 98674-2-RR



Basic Information

Catalog Number: 98674-2-RR	GenBank Accession Number: NM_003183.5	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 6868	CloneNo.: 251631A5
Source: Rabbit	UNIPROT ID: P78536-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: ADAM metalloproteinase domain 17	
Immunogen Catalog Number: EG4732	Calculated MW: 93 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: human	

Background Information

The ADAMs (A Disintegrin And Metalloprotease) are multidomain transmembrane proteins. One of the first ADAMs implicated in membrane shedding is ADAM-17, which is shown to release the active form of tumor necrosis factor (TNF)-α from its precursor (PMID:18238782). ADAM17 mediates the release of pro-inflammatory cytokines and modulates cell signaling pathways involved in tumor progression and metastasis (PMID:17438092).

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

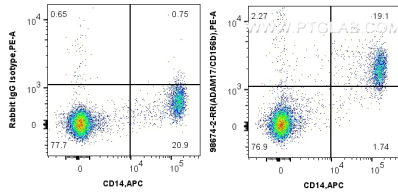
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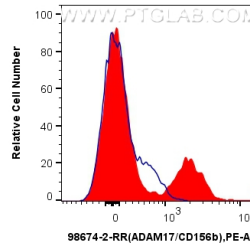
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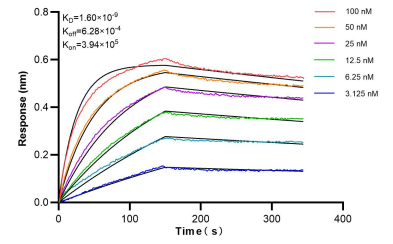
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ADAM17 Rabbit RecAb (98674-2-RR, Clone:251631A5), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ADAM17 Rabbit RecAb (98674-2-RR, Clone:251631A5) (red) and PE-Conjugated Goat Anti-Rabbit IgG(H+L), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98674-2-RR against Human ADAM17 were performed. The affinity constant is 1.60 nM.