

For Research Use Only

Anti-Human CD97 Rabbit Recombinant Antibody

Catalog Number: 98094-2-RR



Basic Information

Catalog Number:

98094-2-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC026690

GeneID (NCBI):

976

UNIPROT ID:

P48960

Full Name:

CD97 molecule

Calculated MW:

722 aa, 79 kDa

Purification Method:

Protein A purification

CloneNo.:

241335D8

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

CD97 is a member of the seven-trans-membrane subfamily of the class B G protein-coupled receptor (GPCR) group of the epidermal growth factor (EGF) and is present on the surface of lymphocytes, monocytes, macrophages, dendritic cells, granulocytes, and smooth muscle, being a dimeric glycoprotein with a 75-90 kDa intracellular domain and a 28 kDa extracellular domain (PMID: 23969601). It plays a vital role in cell adhesion, migration, and cell connection regulation (PMID: 36464675). CD97 is expressed on T-cells, but rarely on B cells. CD97 might play key roles in cellular adhesion, through connections with other proteins of the cell surface and of the extracellular matrix (PMID: 32781778).

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:

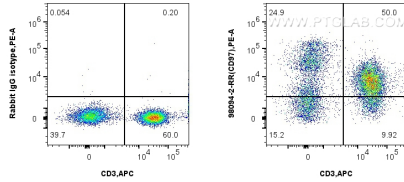
T: 4006900926

E: Proteintech-CN@ptglab.com

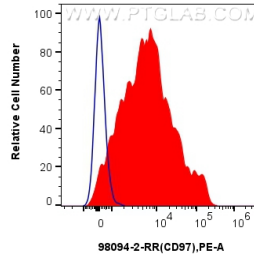
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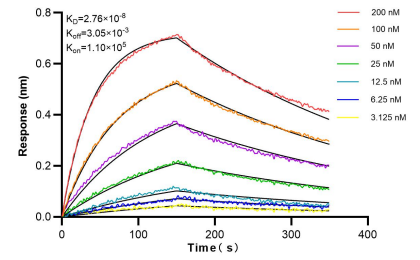
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.15 ug Anti-Human CD97 Rabbit Recombinant Antibody (98094-2-RR, Clone: 241335D8) or Isotype Control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



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Biolayer interferometry (BLI) kinetic assays of 98094-2-RR against Human CD97 were performed. The affinity constant is 27.6 nM.