

For Research Use Only

Anti-Human CD5 Rabbit scFv Antibody

Catalog Number: SF98054-1-RR



Basic Information

Catalog Number:

SF98054-1-RR

GenBank Accession Number:

NM_014207.4

Purification Method:

Affinity purification

Size:

100ug , Concentration: 1000 ug/ml by 921

GeneID (NCBI):

921

CloneNo.:

240428A12

Nanodrop;

ENSEMBL Gene ID:

ENSG00000110448

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Source:

Rabbit

Full Name:

CD5 molecule

Type:

scFv

Calculated MW:

55 kDa

Immunogen Catalog Number:

EG1119

Applications

Tested Applications:

FC

Positive Controls:

FC : human PBMCs,

Species Specificity:

human

Background Information

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

*** 20ul sizes contain 0.1% BSA

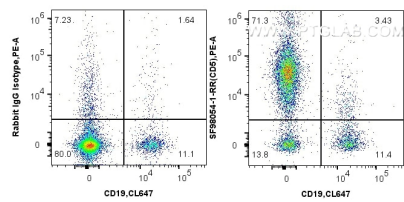
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

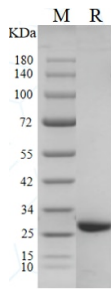
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

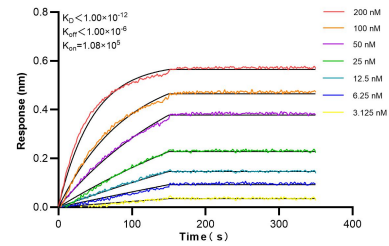
Selected Validation Data



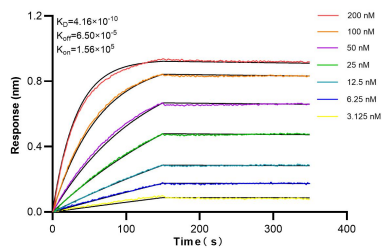
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD5 Rabbit scFv Antibody (SF98054-1-RR, Clone: 240428A12) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE Anti-GGGS Linker Rabbit Recombinant Antibody. Cells were then stained with Coralite® Plus 647 Anti-Human CD19. Cells were not fixed.



Purity of Recombinant ScFv antibody (Cat No.:SF98054-1-RR) was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and condition and stained using Coomassie blue.



Biolayer interferometry (BLI) kinetic assays of SF98054-1-RR against Human CD5 were performed. The affinity constant is below 1 pM.



Biolayer interferometry (BLI) kinetic assays of SF98054-1-RR against Human CD4 were performed. The affinity constant is 0.416 nM.