

For Research Use Only

Anti-Human CD5 Rabbit scFv Antibody, PBS Only

Catalog Number: SF98054-1-PBS



Basic Information

Catalog Number: SF98054-1-PBS	GenBank Accession Number: NM_014207.4	Purification Method: Affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 921	CloneNo.: 240428A12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000110448	
Type: scFv	Full Name: CD5 molecule	
Immunogen Catalog Number: EG1119	Calculated MW: 55 kDa	

Applications

Tested Applications:
FC, Indirect ELISA

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

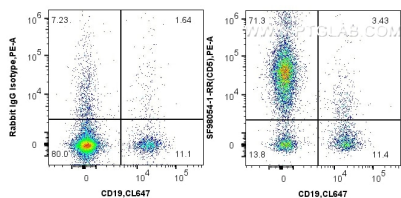
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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

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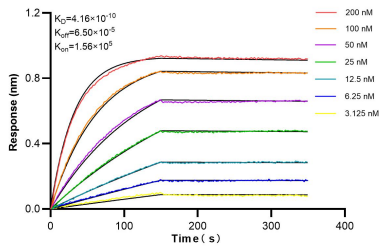
Selected Validation Data



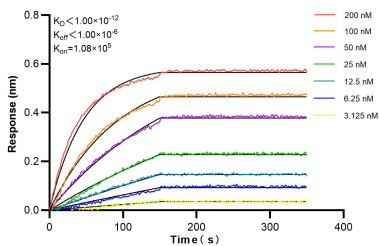
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD5 Rabbit scFv Antibody (SF98054-1-RR, Clone: 240428A12) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE Anti-GGGS Linker Rabbit Recombinant Antibody. Cells were then stained with Coralite® Plus 647 Anti-Human CD19. Cells were not fixed. This data was developed using the same antibody clone with SF98054-1-PBS in a different storage buffer formulation.



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.



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



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