

For Research Use Only

Anti-Mouse CD5 Rabbit scFv Antibody

Catalog Number: SF98038-2-RR



Basic Information

Catalog Number:

SF98038-2-RR

GenBank Accession Number:

NM_007650.3

Purification Method:

Affinity purification

Size:

100ug, Concentration: 1000 µg/ml by 12507

GeneID (NCBI):

12507

CloneNo.:

240244A7

Nanodrop;

Full Name:

CD5 antigen

Recommended Dilutions:

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

Source:

Rabbit

Calculated MW:

54 kDa

Type:

scFv

Immunogen Catalog Number:

EG0899

Applications

Tested Applications:

FC

Positive Controls:

FC : mouse splenocytes,

Species Specificity:

mouse

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% Proclin 300, pH7.3

*** 20ul sizes contain 0.1% BSA

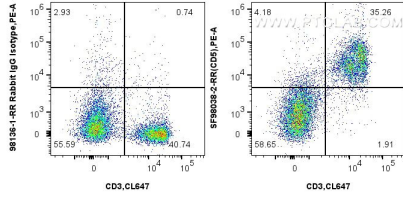
For technical support and original validation data for this product please contact:

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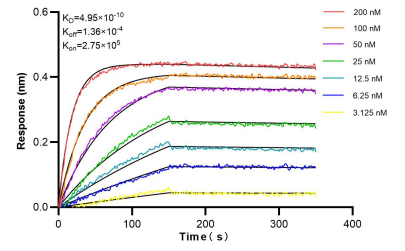
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD5 Rabbit scFv Antibody (SF98038-2-RR, Clone: 240244A7) or 0.25 ug 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-Mouse CD3. Cells were not fixed.



Purity of Recombinant ScFv antibody (Cat No.: SF98038-2-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 SF98038-2-RR against Mouse CD5 were performed. The affinity constant is 0.495 nM.