

For Research Use Only

Anti-Human CD3 Mouse scFv Antibody

Catalog Number: SF98319-2-MR



Basic Information

Catalog Number:

SF98319-2-MR

GenBank Accession Number:

BC049847

Purification Method:

Affinity purification

Size:

100ug, Concentration: 1000 ug/ml by 916
Nanodrop;

GeneID (NCBI):

916

CloneNo.:

SP34

Source:

Mouse

ENSEMBL Gene ID:

ENSG00000198851

Recommended Dilutions:

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

Type:

scFv

Full Name:

CD3e molecule, epsilon (CD3-TCR
complex)

Calculated MW:

207 aa, 23 kDa

Applications

Tested Applications:

FC

Positive Controls:

FC : human PBMCs,

Species Specificity:

Human, Cynomolgus monkey

Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3γ, δ, ε, and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

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

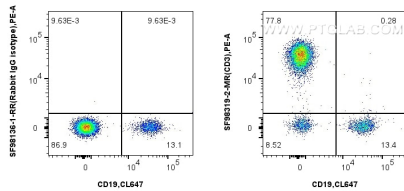
For technical support and original validation data for this product please contact:

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

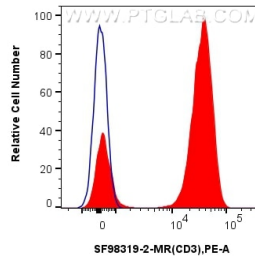
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD3 Mouse scFv Antibody (SF98319-2-MR, Clone: SP34) or 0.25 ug Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone:251107A1). Cells were then stained with CoraLite® Plus 647 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody (CL647-65562, Clone: 4G7). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD3 Mouse scFv Antibody (SF98319-2-MR, Clone: SP34) (red) or 0.25 ug Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed. Lymphocytes were gated.