

For Research Use Only

Anti-Human CD8b Rabbit scFv Antibody

Catalog Number: SF98103-1-RR



Basic Information

Catalog Number:

SF98103-1-RR

GenBank Accession Number:

BC100913

Purification Method:

Affinity purification

Size:

100ug, Concentration: 1000 ug/ml by 926
Nanodrop;

GeneID (NCBI):

926

CloneNo.:

241326A7

Source:

Rabbit

Full Name:

CD8b molecule

Recommended Dilutions:

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

Type:

scFv

Calculated MW:

243 aa, 27 kDa

Applications

Tested Applications:

FC

Positive Controls:

FC : human PBMCs,

Species Specificity:

human

Background Information

CD8b (T-cell surface glycoprotein CD8 beta chain) is an integral membrane glycoprotein that forms disulfide-linked heterodimers with CD8a (CD8 alpha chain). The CD8 alpha/beta heterodimer is the predominant CD8 complex expressed on the cell surface (PMID: 1534146; 2111591). CD8 is a transmembrane glycoprotein predominantly expressed on the surface of cytotoxic T cells and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 serves as a co-receptor for the T cell receptor (TCR). Both CD8 and TCR recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. CD8 plays a role in T cell development and activation of mature T cells.

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

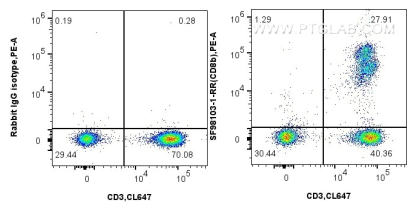
For technical support and original validation data for this product please contact:

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

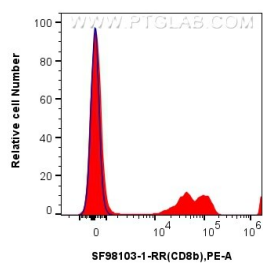
E: proteintech@ptglab.com
W: ptglab.com

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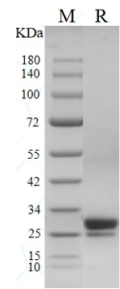
Selected Validation Data



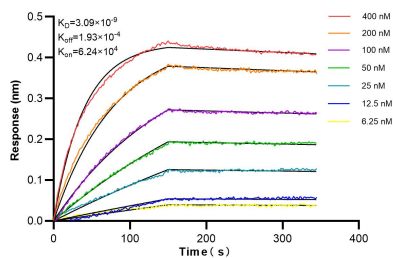
1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD8b Rabbit scFv Antibody (SF98103-1-RR, Clone: 241326A7) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were then stained with CoraLite® Plus 647 Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (CL647-65569, Clone: OKT3). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD8b Rabbit scFv Antibody (SF98103-1-RR, Clone: 241326A7) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed.



Purity of Anti-Human CD8b Rabbit scFv Antibody (Cat No.: SF98103-1-RR) was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE under reducing (R) condition and stained using Coomassie blue.



Biolayer interferometry (BLI) kinetic assays of SF98103-1-RR against Human CD8b were performed. The affinity constant is 3.09 nM.