

For Research Use Only

# Biotin Anti-Human CD8b Rabbit Recombinant Antibody

Catalog Number: Biotin-98103



## Basic Information

Catalog Number:

Biotin-98103

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC100913

GeneID (NCBI):

926

UNIPROT ID:

P10966

Full Name:

CD8b molecule

Calculated MW:

243 aa, 27 kDa

Purification Method:

Protein A purification

CloneNo.:

241326A7

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

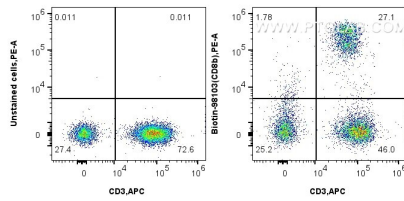
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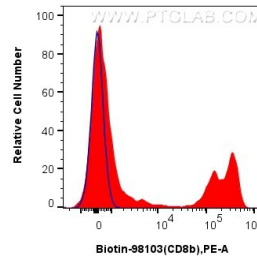
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Biotin Anti-Human CD8b Rabbit RecAb (Biotin-98103, Clone:241326A7) and PE-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Human CD3 (UCHT1) Mouse IgG2a Recombinant Antibody (APC-65570, Clone: UCHT1). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Biotin Anti-Human CD8b Rabbit RecAb (Biotin-98103, Clone: 241326A7) and PE-conjugated streptavidin (red), or unstained (blue). Cells were not fixed.