

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD8a (OKT8) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-FcA65506



Basic Information

Catalog Number:

Biotin-FcA65506

Size:

100ug , 500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

OKT8

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aa homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T-cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

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

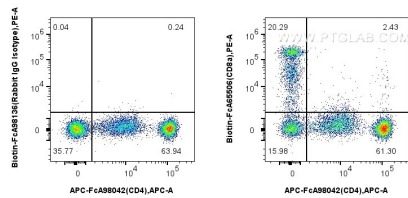
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD8a (OKT8) Rabbit IgG RecAb (Biotin-FcA65506, Clone: OKT8) or Biotin Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 240953C9), and PE-conjugated streptavidin. Cells were then stained with FcZero-rAb™ APC Anti-Human CD4 Rabbit Recombinant Antibody (APC-FcA98042, Clone: 240427E12). Cells were not fixed.