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

Catalog Number: Biotin-FcA65506
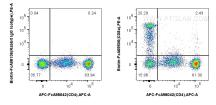
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Basic Information

Catalog Number: Biotin-FcA65506	**GenBank Accession Number:** BC025715	**Purification Method:** Protein A purification
Concentration: 100ug, 500 μg/ml	**GeneID (NCBI):** 925	**CloneNo.:** OKT8
Source: Rabbit	**ENSEMBL Gene ID:** ENSG00000153563	**Recommended Dilutions:** FC: 0.25 ug per 10^6 cells in a 100 μl suspension
Isotype: IgG	**Full Name:** CD8a molecule	**Excitation/Emission maxima wavelengths:** -
	Calculated MW: 235 aa, 26 kDa	

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 CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

Selected Validation Data

1x10^6 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.