

For Research Use Only

FITC Plus Anti-Human CD8a (OKT8) Mouse IgG1 Recombinant Antibody



Catalog Number: FITC-65541

Basic Information

Catalog Number:

FITC-65541

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT8

Excitation/Emission maxima
wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

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 CD8aα 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.

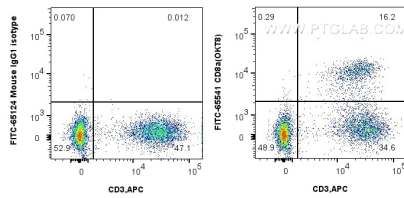
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD8a (FITC-65541, Clone: OKT8) or FITC Plus Mouse IgG1 Isotype Control (MOPC-21) (FITC-65124, Clone: MOPC-21), and 5 ul APC Anti-Human CD3 (OKT3) (APC-65133, Clone: OKT3). Cells were not fixed. Lymphocytes were gated.