

For Research Use Only

Anti-Human CD8a (OKT8)

Catalog Number: 65135-1-Ig



Basic Information

Catalog Number:

65135-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

Mouse IgG2a

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT8

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 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.

Storage Buffer:

PBS with 0.1% sodium azide, pH 7.3.

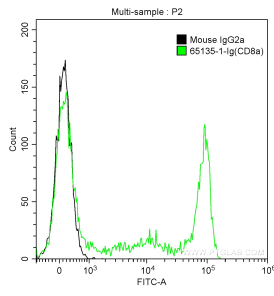
For technical support and original validation data for this product please contact:

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



1×10^6 human peripheral blood lymphocytes were surface stained with 0.5 μ g Anti-Human CD8a (65135-1-Ig, Clone: OKT8) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.5 μ g isotype control and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.