

For Research Use Only

Anti-Human CD8a (OKT8) Mouse IgG2a Recombinant Antibody

Catalog Number: 65604-1-MR



Basic Information

Catalog Number: 65604-1-MR	GenBank Accession Number: BC025715	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 925	CloneNo.: OKT8
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	
Isotype: IgG2a	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	

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 CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 α β heterodimer while CD8 α α homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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

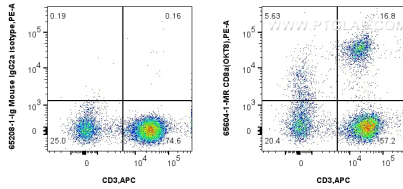
T: 4006900926

E: Proteintech-CN@ptglab.com

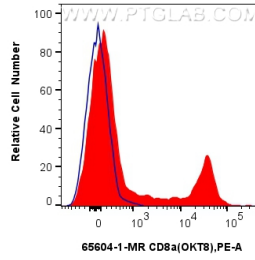
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD8a (OCT8) Mouse IgG2a Recombinant Antibody (65604-1-MR, Clone:OCT8) or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were then stained with APC Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD8a (OCT8) Mouse IgG2a Recombinant Antibody (65604-1-MR, Clone: OCT8) (red) or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. Lymphocytes were gated.