

For Research Use Only

CoraLite® Plus 405 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody



Catalog Number: **CL405-65559**

Basic Information

Catalog Number: CL405-65559	GenBank Accession Number: BC025715	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 925	CloneNo.: UCHT4
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Isotype: IgG2a	UNIPROT ID: P01732	
	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 $\alpha\beta$ heterodimer while CD8 $\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ 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.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

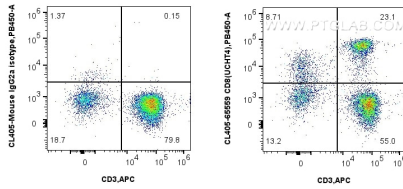
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

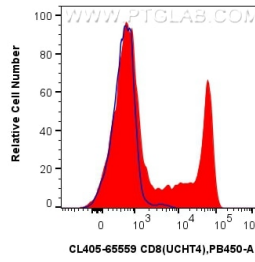
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3 and 5 ul CoraLite® Plus 405 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL405-65559, Clone: UCHT4) (right), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL405-65559, Clone: UCHT4)(red), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.