

For Research Use Only

CoraLite®488-conjugated CD8 Mouse McAb



Catalog Number: **CL488-65204**

Basic Information

Catalog Number: CL488-65204	GenBank Accession Number: BC025715	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 925	CloneNo.: UCHT4
Source: Mouse	Full Name: CD8a molecule	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Isotype: Mouse IgG2a	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 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).

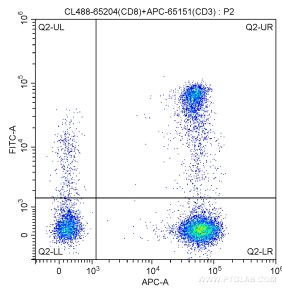
Storage

Storage:
Store at 2-8°C. Avoid exposure to light.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

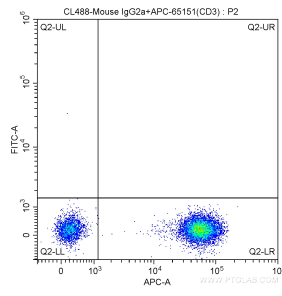
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with APC-Anti-Human CD3 (APC-65151, Clone: UCHT1) and 5 ul CoraLite®488-conjugated Anti-Human CD8 (CL488-65204, Clone: UCHT4). Cells were not fixed.



1X10⁶ human peripheral blood lymphocytes were surface stained with APC-Anti-Human CD3 (APC-65151, Clone: UCHT1) and CoraLite®488-conjugated Mouse IgG2a isotype control. Cells were not fixed.