For Research Use Only

CoraLite® Plus 647 Anti-Human CD8a (Hit8a)



Catalog Number: CL647-65113

Basic Information

Catalog Number:

CL647-65113

Size:

100tests, 5 µl/test

Source: Mouse Isotype:

lgG1, kappa

UNIPROT ID: P01732 Full Name:

CD8a molecule Calculated MW: 235 aa, 26 kDa

BC025715

925

GeneID (NCBI):

ENSEMBL Gene ID:

ENSG00000153563

GenBank Accession Number:

Purification Method: Affinity purification

CloneNo.: Hit8a

Excitation/Emission maxima

wavelengths: 654 nm / 674 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 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

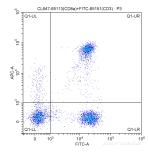
Storage:

Store at 2-8 °C. Avoid exposure to light. Stable for one year after shipment.

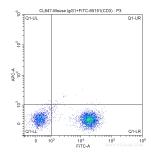
Storage Buffer

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

Selected Validation Data



1X10^6 human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and 5.00 ul Coralite® Plus 647-conjugated Anti-Human CD8a (CL647-65113, Clone: Hit8a). Cells were not fixed.



1X10^6 human peripheral blood lymphocytes were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and Coralite® Plus 647-conjugated Mouse IgG1 isotype control antibody. Cells were not fixed.