Atlantic Blue™ Anti-Human CD8a (RPA-T8)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:AB-65144

Basic Information

Catalog Number:
AB-65144

Size:
100tests, 5 ul/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC025715

GeneID (NCBI):
925

ENSEMBL Gene ID:
ENSG00000153563

UNIPROT ID:
P01732

Full Name:
CD8a molecule

Calculated MW:
235 aa, 26 kDa

Purification Method:
Affinity purification

CloneNo.:
RPA-T8

Excitation/Emission maxima wavelengths:
404 nm / 458 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 CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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℃. Avoid exposure to light.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data
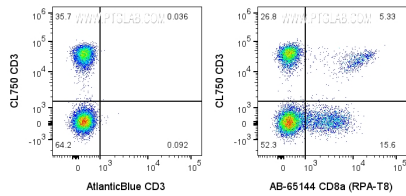
1x10^6 human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul Atlantic Blue™ Anti-Human CD8a (AB-65144, Clone: RPA-T8) or Atlantic Blue™ Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.
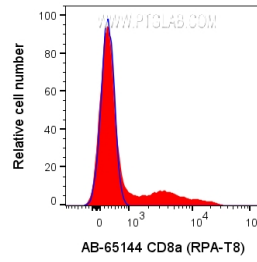
1x10^6 human PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD8a (AB-65144, Clone: RPA-T8) (red) or Atlantic Blue™ Mouse IgG1 Isotype Control (blue). Cells were not fixed. Lymphocytes were gated.