

For Research Use Only

Anti-Human CD8a (OKT8) Rabbit IgG Recombinant Antibody, PBS Only

Catalog Number: 65506-1-PBS



Basic Information

Catalog Number:

65506-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT8

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 -80°C. Stable for one year after shipment.

Storage Buffer:

PBS only

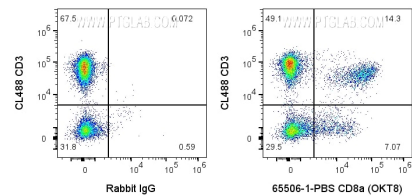
For technical support and original validation data for this product please contact:

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

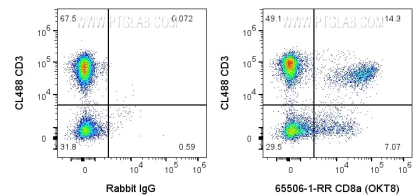
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

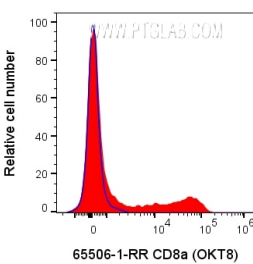
Selected Validation Data



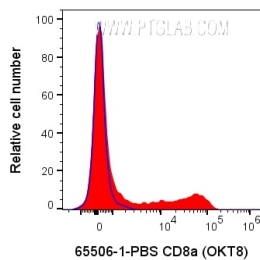
1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-PBS, Clone:OKT8) or Rabbit IgG control PolyAb and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were then stained with CL488 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



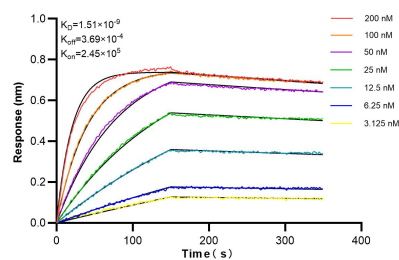
1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-RR, Clone:OKT8) (left) and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 or 0.1 ug Anti-Human CD8a Mouse Monoclonal Antibody (Clone:OKT8) (center and right) and CoraLite®647-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were then stained with CL488 Anti-Human



1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-RR, Clone:OKT8) or Rabbit IgG control PolyAb and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65506-1-PBS in a different storage buffer formulation.



1X10⁶ human PBMCs were surface stained with 0.1 ug Anti-Human CD8a Rabbit Recombinant Antibody (65506-1-PBS, Clone:OKT8) or Rabbit IgG control PolyAb and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.



Biolayer interferometry (BLI) kinetic assays of 65506-1-RR against Human CD8a were performed. The affinity constant is 1.51 nM.