

For Research Use Only

Anti-Human CD8a (RPA-T8)

Catalog Number: 65144-1-Ig **4 Publications**



Basic Information

Catalog Number:

65144-1-Ig

Size:

500ug, 0.5 mg/ml

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

Recommended Dilutions:

FC: 0.2 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Cited Species:

human

Positive Controls:

FC : human PBMCs,

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 CD8aα 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ling Ding	34830884	Cancers (Basel)	WB
Mingyang Ding	35867564	J Virol	
Si-Yuan Zhang	34277389	Front Oncol	IHC

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

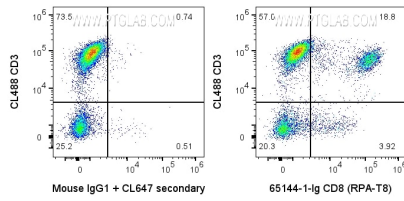
For technical support and original validation data for this product please contact:

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

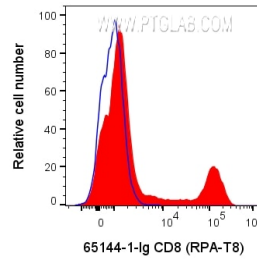
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD8a (RPA-T8) (65144-1-Ig) or 0.2 ug Mouse IgG1 Isotype Control and CoraLite®647-conjugated AffiniPure F(ab')₂ Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8). Cells were then stained with 5 ul CoraLite® Plus 488 Anti-Human CD3 (CL488-65151). Cells were not fixed. Lymphocytes were gated.



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