

For Research Use Only

Anti-Human CD8a (RPA-T8)

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



Basic Information

Catalog Number:	65144-1-Ig	GenBank Accession Number:	BC025715	Purification Method:	Affinity purification
Size:	500ug, 0.5 mg/ml	GeneID (NCBI):	925	CloneNo.:	RPA-T8
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000153563		
Isotype:	IgG1, kappa	UNIPROT ID:	P01732		
		Full Name:	CD8a molecule		
		Calculated MW:	235 aa, 26 kDa		

Applications

Tested Applications:
FC

Species Specificity:
human

Cited Species:
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).

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

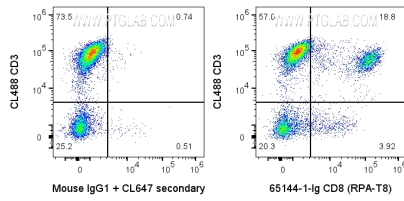
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

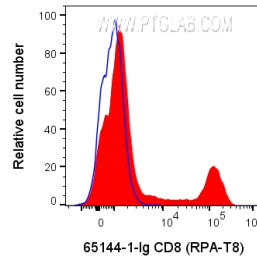
For technical support and original validation data for this product please contact:
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Selected Validation Data



1×10^6 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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