

For Research Use Only

Anti-Mouse CD8a Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98472-2-PBS



Basic Information

Catalog Number:	98472-2-PBS	GenBank Accession Number:	NM_001081110.2	Purification Method:	Protein A purification
Size:	1mg, 3 mg/ml	GeneID (NCBI):	12525	CloneNo.:	242879C10
Source:	Rabbit	UNIPROT ID:	P01731		
Isotype:	IgG	Full Name:	CD8 antigen, alpha chain		
Immunogen Catalog Number:	EG3265	Calculated MW:	27 kDa		

Applications

Tested Applications:
FC
Species Specificity:
mouse

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).

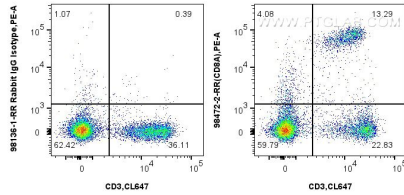
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

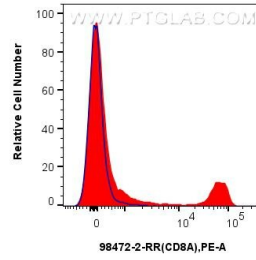
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD8a Rabbit RecAb (98472-2-RR, Clone: 242879C10) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD3. Cells were not fixed. This data was developed using the same antibody clone with 98472-2-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD8a Rabbit RecAb (98472-2-RR, Clone: 242879C10) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98472-2-PBS in a different storage buffer formulation.