

For Research Use Only

Biotin Anti-Mouse CD8a Rabbit Recombinant Antibody

Catalog Number: Biotin-98472-2



Basic Information

Catalog Number: Biotin-98472-2	GenBank Accession Number: NM_001081110.2	Purification Method: Protein A purification
Size: 100ug , 500 ug/ml	GeneID (NCBI): 12525	CloneNo.: 242879C10
Source: Rabbit	UNIPROT ID: P01731	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD8 antigen, alpha chain	
Immunogen Catalog Number: EG3265	Calculated MW: 27 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
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).

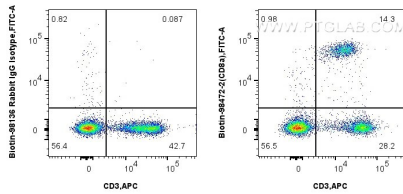
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

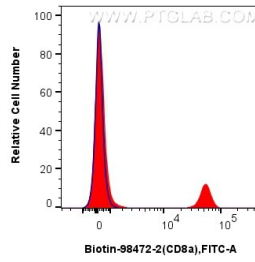
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD8a Rabbit RecAb (Biotin-98472-2, Clone: 242879C10) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were co-stained with APC Anti-Mouse CD3. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD8a Rabbit RecAb (Biotin-98472-2, Clone: 242879C10) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were not fixed.