

For Research Use Only

Anti-Mouse CD8a (53-6.7)

Catalog Number: 65069-1-Ig **4 Publications**



Basic Information

Catalog Number: 65069-1-Ig	GenBank Accession Number: BC030679	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 12525	CloneNo.: 53-6.7
Source: Rat	UNIPROT ID: P01731	
Isotype: IgG2a, kappa	Full Name: CD8 antigen, alpha chain	

Applications

Tested Applications:
FC

Cited Applications:
IF, FC

Species Specificity:
Mouse

Cited Species:
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 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Huajing Wang	34090420	Malar J	FC
Wenxuan Xu	36134371	Nanoscale Adv	FC
Yuqi Yang	38291473	Cell Commun Signal	

Storage

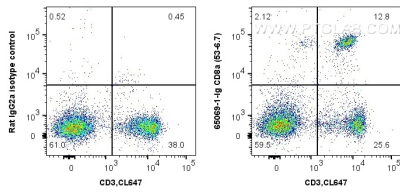
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
Borate buffered saline, pH 8.2.

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with Coralite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug Anti-Mouse CD8a (65069-1-Ig, Clone:53-6.7) or 0.5 ug Rat IgG2a Isotype Control (2A3) and FITC anti-rat IgG2a Antibody at dilution 1:100. Cells were not fixed.