

For Research Use Only

CoraLite®594-conjugated CD8a Recombinant monoclonal antibody

Catalog Number:CL594-85977-4



Basic Information

Catalog Number: CL594-85977-4	GenBank Accession Number: NM_001081110.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 12525	CloneNo.: 242879E1
Isotype: IgG	UNIPROT ID: P01731	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: EG3265	Full Name: CD8 antigen, alpha chain	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 27 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse spleen tissue,
Species Specificity: mouse	

Background Information

CD8 is a transmembrane glycoprotein that is predominantly expressed on the surface of cytotoxic T cells, and can also be found on natural killer cells, cortical thymocytes, and dendritic cells. CD8 is composed of two disulfide-linked chains and can be present as a homodimer of CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). 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).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

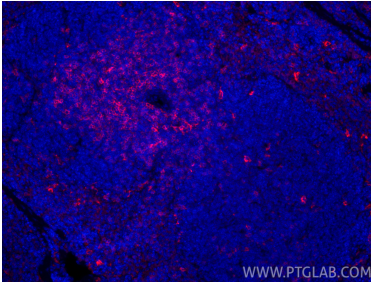
T: 4006900926

E: Proteintech-CN@ptglab.com

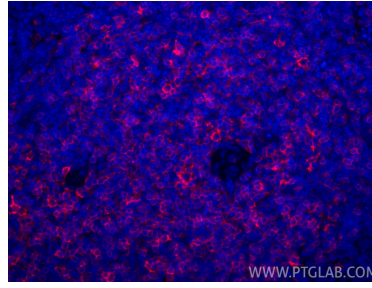
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CoraLite®594 CD8a antibody (CL594-85977-4, Clone: 242879E1) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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