

For Research Use Only

CoraLite® Plus 488-conjugated CD8a Monoclonal antibody

Catalog Number: CL488-66868

3 Publications



Basic Information

Catalog Number: CL488-66868	GenBank Accession Number: BC025715	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 925	CloneNo.: 1G2B10
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	UNIPROT ID: P01732	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG11111	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : human tonsillitis tissue,
Cited Applications: IHC, IF	
Species Specificity: human	

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 serves as a co-receptor for the T cell receptor (TCR). Both CD8 and TCR recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. CD8 plays a role in T cell development and activation of mature T cells. This antibody is raised against 23-183 aa of human CD8a, the alpha chain of CD8 molecule, and is conjugated with CL488, Ex/Em 488 nm/515 nm.

Notable Publications

Author	Pubmed ID	Journal	Application
Ye Nie	36190431	FASEB J	IHC
Dunfang Wang	39034016	J Ethnopharmacol	
Min Luo	35058409	J Cardiovasc Pharmacol	IF

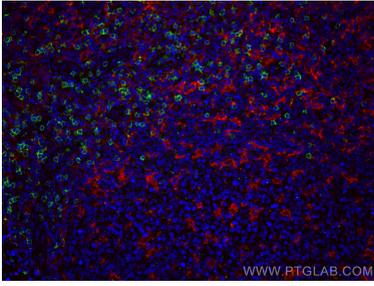
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 CD8a antibody (CL488-66868, Clone: 1G2B10) at dilution of 1:200, CoraLite®594 CD11c/Integrin Alpha X antibody (CL594-60258, Clone: 2F1C10, red).