

For Research Use Only

CoraLite®594-conjugated CD8a Monoclonal antibody



Catalog Number:CL594-66868

Basic Information

Catalog Number: CL594-66868	GenBank Accession Number: BC025715	Purification Method: Protein G purification
Size: 1000 µg/ml	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: 588 nm / 604 nm
Immunogen Catalog Number: AG11111	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	

Applications

Tested Applications:
IF-P
Species Specificity:
human

Positive Controls:
IF-P: human appendicitis tissue, human tonsillitis
tissue, human colon cancer tissue

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.

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:

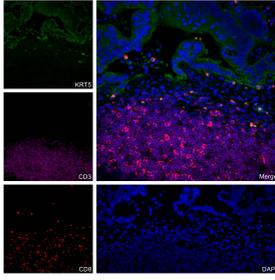
T: 4006900926

E: Proteintech-CN@ptglab.com

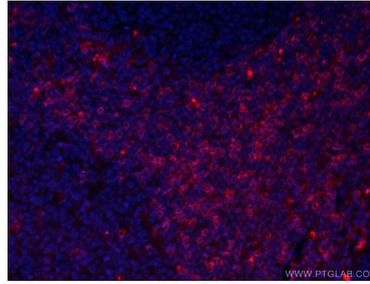
W: ptgcn.com

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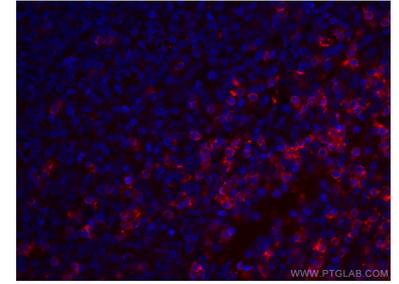
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 CD8a antibody (CL594-66868, Clone: 1G2B10) at dilution of 1:200, CoraLite® Plus 488 pan-keratin antibody (CL488-26411, green), CoraLite® Plus 647 CD3 antibody (CL647-60181, Clone: 3F3A1, Magenta).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL594-66868 (CD8a antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 CD8a antibody (CL594-66868, Clone: 1G2B10) at dilution of 1:400. DAPI (blue).