

For Research Use Only

# CoraLite®594-conjugated CD8 Monoclonal antibody



Catalog Number:CL594-66868

## Basic Information

<b>Catalog Number:</b> CL594-66868	<b>GenBank Accession Number:</b> BC025715	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 925	<b>CloneNo.:</b> 1G2B10
<b>Source:</b> Mouse	<b>Full Name:</b> CD8a molecule	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 235 aa, 26 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG11111		

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human appendicitis tissue, human tonsillitis tissue, human colon cancer tissue
<b>Species Specificity:</b> 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.

## Storage

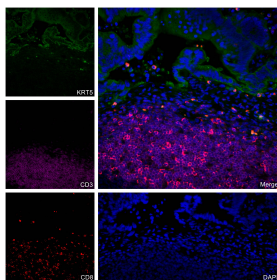
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

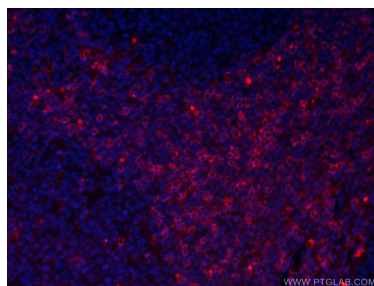
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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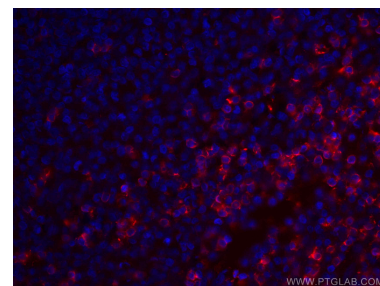
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 CD8 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 (CD8 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 CD8 antibody (CL594-66868, Clone: 1G2B10 ) at dilution of 1:400. DAPI (blue).