

For Research Use Only

# CoraLite® Plus 488-conjugated CD8a Monoclonal antibody



Catalog Number: CL488-66868

1 Publications

## Basic Information

Catalog Number:

CL488-66868

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11111

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

UNIPROT ID:

P01732

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Protein G purification

CloneNo.:

1G2B10

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC,IF-P

Cited Applications:

IHC

Species Specificity:

Human

Positive Controls:

IF : human tonsillitis 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, and is conjugated with CL488, Ex/Em 488 nm/515 nm.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ye Nie	36190431	FASEB J	IHC

## 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

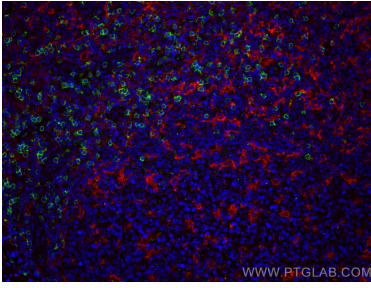
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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## 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).