

For Research Use Only

# CoraLite® Plus 488-conjugated CD40 Monoclonal antibody

Catalog Number: CL488-66965



## Basic Information

### Catalog Number:

CL488-66965

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG28040

### GenBank Accession Number:

BC012419

### GeneID (NCBI):

958

### ENSEMBL Gene ID:

ENSG00000101017

### UNIPROT ID:

P25942

### Full Name:

CD40 molecule, TNF receptor superfamily member 5

### Calculated MW:

277 aa, 31 kDa

### Purification Method:

Protein G purification

### CloneNo.:

2A8G5

### Recommended Dilutions:

IF-P 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF-P

### Species Specificity:

Human

### Positive Controls:

IF-P : human tonsillitis tissue,

## Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

## 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

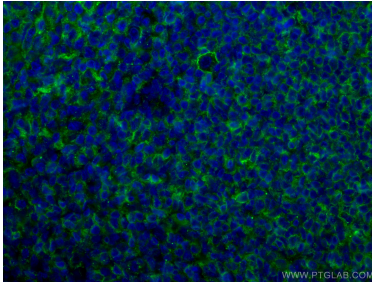
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

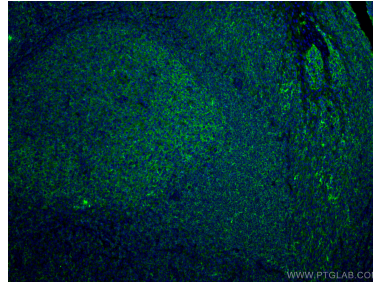
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 CD40 antibody (CL488-66965, Clone: 2A8G5 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 CD40 antibody (CL488-66965, Clone: 2A8G5 ) at dilution of 1:200.