

For Research Use Only

# CoraLite® Plus 488-conjugated CD19 Recombinant monoclonal antibody

Catalog Number: CL488-83254



## Basic Information

### Catalog Number:

CL488-83254

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

EG0907

### GenBank Accession Number:

NM\_009844.2

### GeneID (NCBI):

12478

### UNIPROT ID:

P25918

### Full Name:

CD19 antigen

### Calculated MW:

60 kDa

### Observed MW:

62-70 kDa

### Purification Method:

Protein A purification

### CloneNo.:

240135A3

### Recommended Dilutions:

IF-P: 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF-P

### Species Specificity:

mouse, rat

### Positive Controls:

IF-P: mouse spleen tissue,

## Background Information

CD19 is a type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

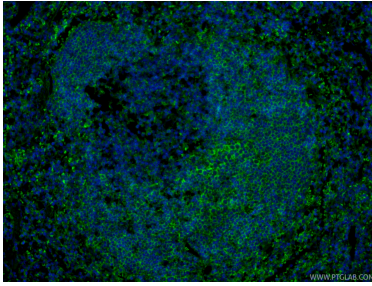
T: 4006900926

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

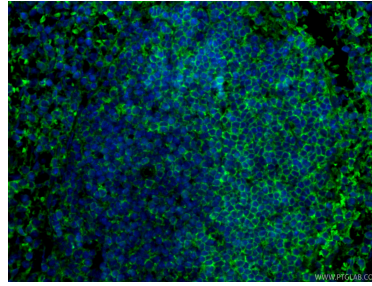
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CoraLite® Plus 488 CD19 antibody (CL488-83254, Clone: 240135A3 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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