

For Research Use Only

# CoraLite® Plus 488-conjugated CD45 Recombinant antibody

Catalog Number: CL488-83396-5



## Basic Information

### Catalog Number:

CL488-83396-5

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_001111316.2

### GeneID (NCBI):

19264

### UNIPROT ID:

P06800-4

### Full Name:

protein tyrosine phosphatase,  
receptor type, C

### Calculated MW:

145 kDa

### Observed MW:

190 kDa

### Purification Method:

Protein A purification

### CloneNo.:

240356G10

### Recommended Dilutions:

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF/ICC

### Species Specificity:

mouse

### Positive Controls:

IF/ICC : RAW 264.7 cells,

## Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

## 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

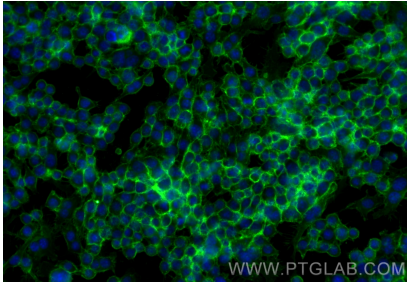
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed RAW 264.7 cells using CoraLite® Plus 488  
CD45 antibody (CL488-83396-5, Clone: 240356G10  
) at dilution of 1:200.