

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD45 (HI30)

Catalog Number: CL488-65109



## Basic Information

Catalog Number:

CL488-65109

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

UNIPROT ID:

P08575

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Purification Method:

Affinity purification

CloneNo.:

HI30

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 5 µl per 10<sup>6</sup> cells in 100 µl  
suspension

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

FC : human PBMCs,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

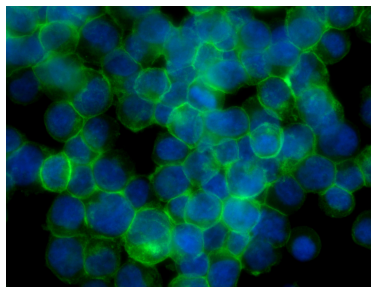
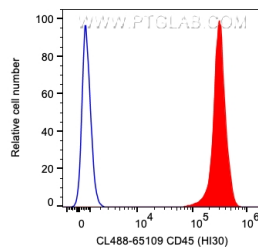
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul Coralite® Plus 488 Anti-Human CD45 (CL488-65109, Clone: HI30) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.

Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Coralite® Plus 488 CD45 antibody (CL488-65109, Clone: HI30) at dilution of 1:200.