

For Research Use Only

# Anti-Human CD45 (HI30)

Catalog Number: 65109-1-Ig 2 Publications



## Basic Information

Catalog Number:

65109-1-Ig

Size:

500ug, 0.5 mg/ml

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 1:250-1:1000

## Applications

Tested Applications:

IF/ICC, FC

Cited Applications:

FC, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF/ICC : Jurkat 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xun Xi	35071244	Front Cell Dev Biol	FC
Min Tang	38594259	Cell Discov	IF

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

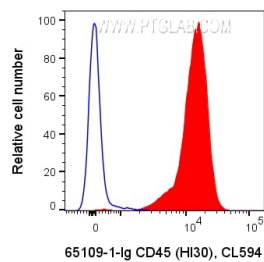
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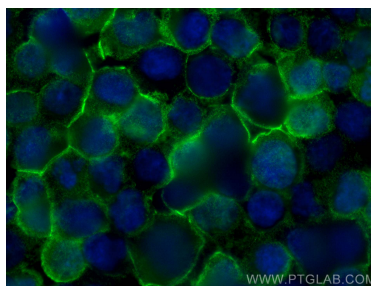
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD45 (65109-1-Ig, Clone:HI30) or Mouse IgG1 Isotype Control and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:500. Cells were not fixed. Lymphocytes were gated.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD45 antibody (65109-1-Ig, Clone: HI30 ) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).