

For Research Use Only

# PE Anti-Human CD45 (HI30)

Catalog Number: PE-65109

3 Publications



## Basic Information

Catalog Number:

PE-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:

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

Excitation/Emission maxima  
wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Cited Species:

human, rat

Positive Controls:

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).

## Notable Publications

| Author        | Pubmed ID | Journal     | Application |
|---------------|-----------|-------------|-------------|
| Xun Xi        | 35756790  | J Dent Sci  | FC          |
| Wenwen Ping   | 40047734  | Cytotherapy |             |
| Chengcan Yang | 37769871  | J Endod     | FC          |

## 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:

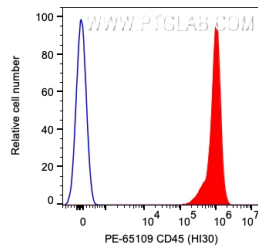
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



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