

For Research Use Only

# APC Anti-Human CD45 (HI30)

Catalog Number: APC-65109



## Basic Information

**Catalog Number:**

APC-65109

**Size:**

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

**Excitation/Emission maxima  
wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## 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.

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

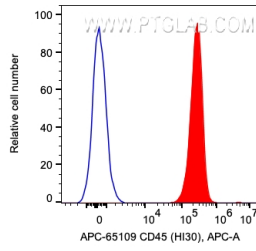
T: 4006900926

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

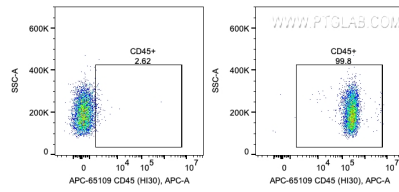
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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



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