

For Research Use Only

# PE Anti-Human CD45 (2D1)

Catalog Number: PE-65082

1 Publications



## Basic Information

Catalog Number:

PE-65082

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.:

2D1

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:

IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

FC : Human peripheral blood lymphocytes, Raji 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
Jianping Jiang	38827467	Exp Ther Med	IF

## 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 0.1% gelatin, pH7.2

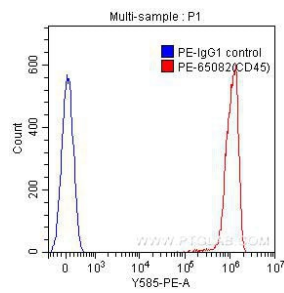
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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5 ul PE-Anti-Human CD45 (PE-65082, clone 2D1) (red) or PE-mouse IgG1 isotype control (blue). Cells were not fixed.