

For Research Use Only

Anti-Human CD45 (HI30)

Catalog Number: 65109-1-Ig **2 Publications**



Basic Information

Catalog Number: 65109-1-Ig	GenBank Accession Number: BC014239	Purification Method: Affinity purification
Size: 500ug, 0.5 mg/ml	GeneID (NCBI): 5788	CloneNo.: HI30
Source: Mouse	ENSEMBL Gene ID: ENSG00000081237	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG1, kappa	UNIPROT ID: P08575	
	Full Name: protein tyrosine phosphatase, receptor type, C	

Applications

Tested Applications: IF/ICC, FC	Positive Controls: IF/ICC : Jurkat cells,
Cited Applications: FC, IF	
Species Specificity: human	
Cited Species: 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).

Notable Publications

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

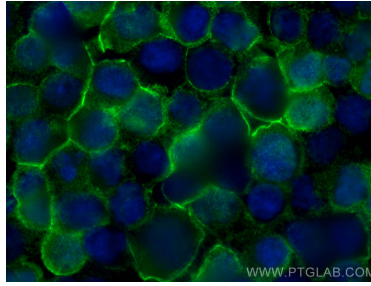
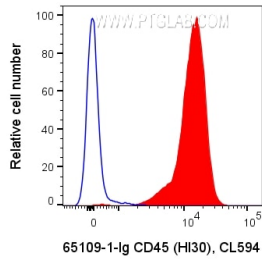
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



1×10^6 human PBMCs were surface stained with 0.2 μ g 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).