

For Research Use Only

CoraLite® Plus 488 Anti-Human CD45 (HI30)



Catalog Number: CL488-65109

Basic Information

Catalog Number: CL488-65109	GenBank Accession Number: BC014239	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 5788	CloneNo.: HI30
Source: Mouse	ENSEMBL Gene ID: ENSG00000081237	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1, kappa	UNIPROT ID: P08575	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: protein tyrosine phosphatase, receptor type, C	

Applications

Tested Applications: FC, IF/ICC	Positive Controls: IF : Jurkat cells,
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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

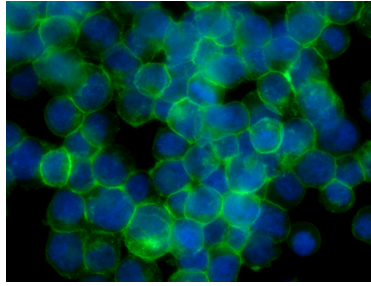
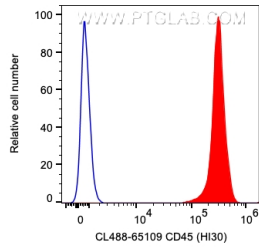
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Selected Validation Data



1×10^6 human PBMCs were surface stained with 5 μ l CoraLite® Plus 488 Anti-Human CD45 (CL488-65109, Clone: HI30) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.

Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 CD45 antibody (CL488-65109, Clone: HI30) at dilution of 1:200.