

For Research Use Only

# CoraLite®594 Anti-Human CD45 (HI30)



Catalog Number: **CL594-65109**

## Basic Information

<b>Catalog Number:</b> CL594-65109	<b>GenBank Accession Number:</b> BC014239	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 5788	<b>CloneNo.:</b> HI30
<b>Source:</b> Mouse	<b>Full Name:</b> protein tyrosine phosphatase, receptor type, C	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1, kappa		

## 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

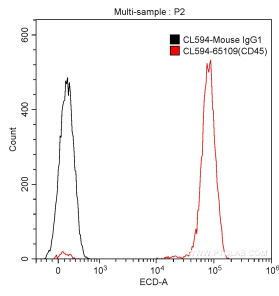
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5 ul CoraLite®594 Anti-Human CD45 (CL594-65109, Clone:HI30) (red) or CoraLite®594 conjugated mouse IgG1 isotype control (black). Cells were not fixed.