

For Research Use Only

# CoraLite®594 Anti-Human CD5 (L17F12)

Catalog Number:CL594-65200



## Basic Information

Catalog Number:

CL594-65200

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC027901

GeneID (NCBI):

921

ENSEMBL Gene ID:

ENSG00000110448

UNIPROT ID:

P06127

Full Name:

CD5 molecule

Calculated MW:

495 aa, 55 kDa

Purification Method:

Protein A purification

CloneNo.:

L17F12

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : human PBMCs,

## Background Information

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

## 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, pH7.3

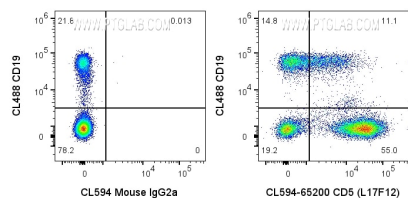
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

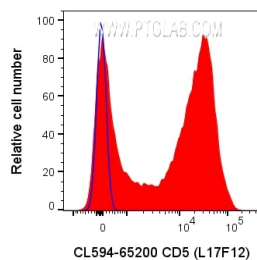
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite®594 Anti-Human CD5 (CL594-65200, Clone:L17F12) or CoraLite®594 Mouse IgG2a Isotype Control, and CL488-conjugated Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



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