

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD45RO (UCHL1)



Catalog Number: CL488-65150

## Basic Information

**Catalog Number:**

CL488-65150

**Size:**

100 tests, 5 µl/test

**Source:**

Mouse

**Isotype:**

IgG2a, 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.:**

UCHL1

**Recommended Dilutions:**

IF 1:150-1:600

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC, IF/ICC

**Species Specificity:**

Human

**Positive Controls:**

IF : human peripheral blood mononuclear 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). CD45 exists as multiple isoforms due to alternative splicing of three exons (4, 5, and 6, designated A, B, and C) in the extracellular domain (PMID: 12414720). CD45RO is the shortest CD45 isoform (lacking all three exons) and is expressed by activated and memory T cells, thymocytes, some B cells, and weakly on granulocytes and macrophage (PMID: 27100180; 12414720).

## 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:

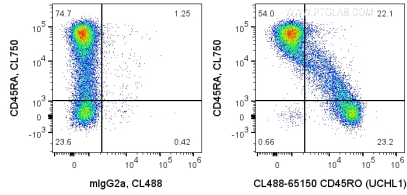
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

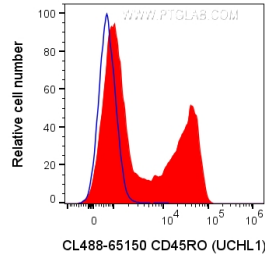
W: [ptgcn.com](http://ptgcn.com)

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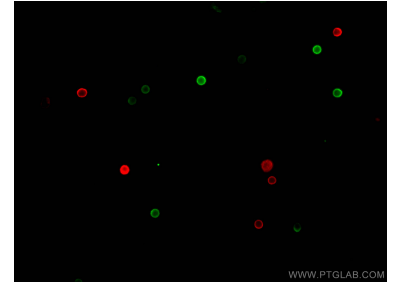
## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with CL750 Anti-Human CD45RA and 5 ul CoraLite® Plus 488 Anti-Human CD45RO (CL488-65150, Clone:UCHL1), or Mouse IgG2a Isotype Control. Cells were not fixed. Lymphocytes were gated.



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Immunofluorescent analysis of human peripheral blood mononuclear cells (PBMCs) using APC Anti-Human CD45RA (APC-65108, Clone: HI100) and CoraLite® Plus 488-conjugated Anti-Human CD45RO (CL488-65150, Clone: UCHL1) at dilution of 1:300.