

For Research Use Only

# Anti-Human CD45RA (F8-11-13)

Catalog Number: 65226-1-Ig



## Basic Information

Catalog Number:

65226-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

UNIPROT ID:

P08575

Full Name:

protein tyrosine phosphatase,  
receptor type, C

Calculated MW:

1304 aa, 147 kDa

Purification Method:

Protein G purification

CloneNo.:

F8-11-13

Recommended Dilutions:

IHC: 1:200-1:800

IF-P: 1:1000-1:4000

FC: 0.2 ug per 10<sup>6</sup> cells in 100 µl  
suspension

## Applications

Tested Applications:

IHC, IF-P, FC

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

IHC : human tonsillitis tissue,

IF-P : human tonsillitis tissue,

FC : human PBMCs,

## 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). CD45RA is expressed on naïve T cells, B cells, and monocytes (PMID: 1830500; 14687231).

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

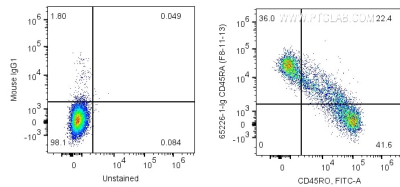
For technical support and original validation data for this product please contact:

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

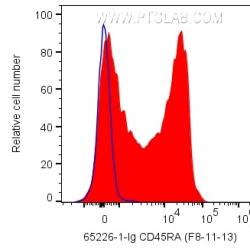
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

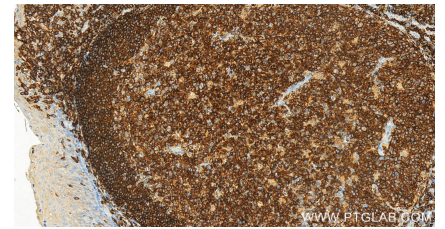
## Selected Validation Data



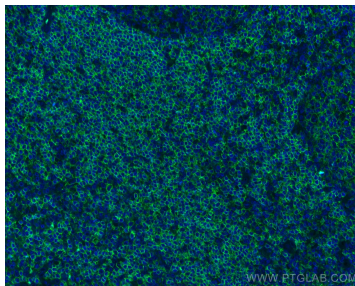
1X10<sup>6</sup> human PBMCs were surface co-stained with PE Anti-human CD3, FITC Anti-human CD45RO, and 0.2 ug Anti-Human CD45RA (65226-1-Ig, Clone: F8-11-13) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 (KFA023) or Mouse IgG1 Isotype Control. Cells were not fixed. CD3<sup>+</sup> lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface co-stained with PE Anti-human CD3 and 0.2 ug Anti-Human CD45RA (65226-1-Ig, Clone: F8-11-13) labeled with FlexAble CoraLite® Plus 647 Antibody Labeling Kit for Mouse IgG1 (KFA023) (red) or Mouse IgG1 Isotype Control. Cells were not fixed. CD3<sup>+</sup> lymphocytes were gated.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 65226-1-Ig (CD45RA antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD45RA antibody (65226-1-Ig, Clone: F8-11-13) at dilution of 1:2000 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).