

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD45 Rabbit scFv Antibody

Catalog Number: CL488-SF98117



## Basic Information

Catalog Number:

CL488-SF98117

Size:

100ug, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG2486

GenBank Accession Number:

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

Full Name:

protein tyrosine phosphatase, receptor type, C

Calculated MW:

147 kDa

Purification Method:

Affinity purification

CloneNo.:

241670E10

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

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).

## Storage

Storage:

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

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

\*\*\* 20ul sizes contain 0.1% BSA

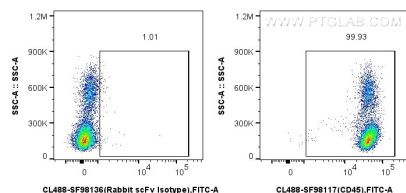
For technical support and original validation data for this product please contact:

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

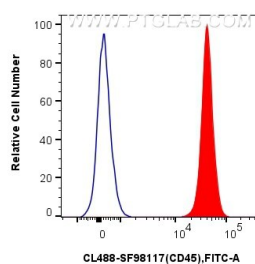
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 0.25 ug CoraLite® Plus 488 Anti-Human CD45 Rabbit scFv Antibody (CL488-SF98117, Clone: 241670E10) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Human CD45 Rabbit scFv Antibody (CL488-SF98117, Clone: 241670E10) (red) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9) (blue). Cells were not fixed.