

For Research Use Only

FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD45 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98117



Basic Information

Catalog Number:

CL488-FcA98117

Concentration:

100tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

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:

Protein A purification

CloneNo.:

241670E10

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

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:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

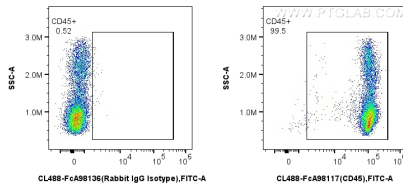
T: 4006900926

E: Proteintech-CN@ptglab.com

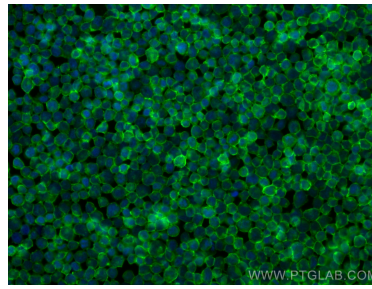
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD45 Rabbit RecAb (CL488-FcA98117, Clone: 241670E10) or CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 CD45 antibody (CL488-FcA98117, Clone: 241670E10) at a dilution of 1:200.