

For Research Use Only

Cardinal Red™ Anti-Human CD45RA (F8-11-13)



Catalog Number: CR-65226

Basic Information

| | | |
|-------------------------------------|---|---|
| Catalog Number: CR-65226 | GenBank Accession Number: BC014239 | Purification Method: Affinity purification |
| Size: 100tests, 5 µl/test | GeneID (NCBI): 5788 | CloneNo.: F8-11-13 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000081237 | Excitation/Emission maxima wavelengths: 592 nm / 611 nm |
| Isotype: IgG1, kappa | UNIPROT ID: P08575 | |
| | Full Name: protein tyrosine phosphatase, receptor type, C | |
| | Calculated MW: 1304 aa, 147 kDa | |

Applications

Tested Applications:
FC

Species Specificity:
Human

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

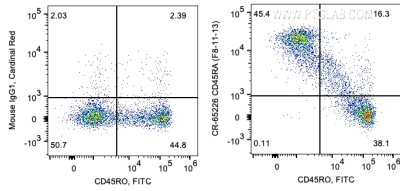
T: 4006900926

E: Proteintech-CN@ptglab.com

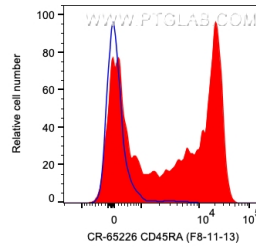
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with Anti-Human CD45RO and 5 ul Cardinal Red™ Anti-Human CD45RA (CR-65226, Clone:F8-11-13), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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