

FITC anti-human CD45RA Recombinant Antibody

Catalog# / Size	314805 / 25 tests 314806 / 100 tests
Clone	QA19A34
Regulatory Status	RUO
Other Names	GP180, L-CA, LCA, LY5, T200, PTPRC
Isotype	Mouse IgG1, κ
Description	CD45RA is a 205-220 kD single chain type I glycoprotein. It is an exon 4 splice variant of the tyrosine phosphatase CD45. The CD45RA isoform is expressed on resting/naïve T cells, medullary thymocytes, B cells and monocytes. CD45RA enhances both T cell receptor and B cell receptor signaling. CD45 non-covalently associates with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1. CD45 isoform expression can change in response to cytokines.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool).
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm)
RRID	AB_3720515 (BioLegend Cat. No. 314805) AB_3720515 (BioLegend Cat. No. 314806)

Antigen Details

Structure	Tyrosine phosphatases, type I transmembrane (exon 4 splicing of CD45 gene), 205-220 kD
Ligand/Receptor	Galectin-1, CD2, CD3, CD4

Antigen References

1. Tian *et al.* 2017. *Nat Commun.* 8(1):1473
2. Kunert *et al.* 2019. *J Immunother Cancer.* 7(1):149

Gene ID

[5788](#)

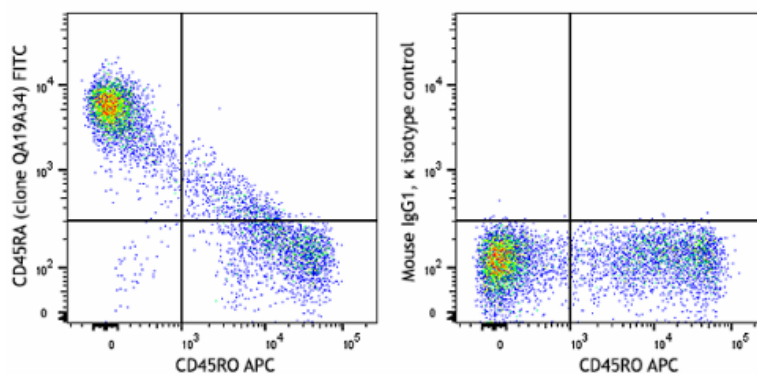
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD45RA Recombinant Antibody, PE/Cyanine7 anti-human CD45RA Recombinant Antibody, FITC anti-human CD45RA Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD45RO (clone UCHL1) APC and anti-human CD45RA recombinant (clone QA19A34) FITC (left) or mouse IgG1, κ FITC isotype control (right).

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