

ABflo® 488 Mouse anti-Human CD45RO mAb

Catalog No.: A28179

Basic Information

Observed MW**Calculated MW**

136 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

AMC10000R

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

5788

Swiss Prot

P08575

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180; IMD105

Contact

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Product Information

Source

Mouse

Isotype

IgG2a, κ

Purification

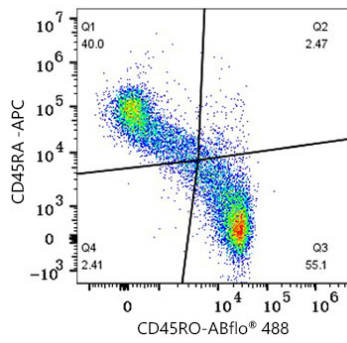
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with APC anti-human CD45RA Antibody (5 µl/Test) and ABflo® 488 Mouse anti-Human CD45RO mAb (A28179, 5 µl/Test, right). Cells in the CD3⁺ gate were used for analysis.