

ABflo® 700 Rabbit anti-Human/Monkey CD45

Catalog No.: A27932

Basic Information

Observed MW

Calculated MW
138kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC5024

Conjugate
ABflo® 700. Ex:690nm. Em:713nm.

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 P08575-9
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Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

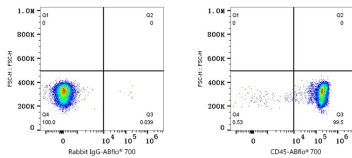
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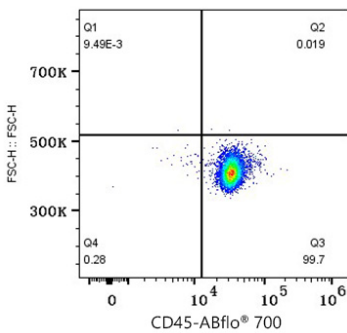
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
Storage Store at -20°C		

Validation Data



Flow cytometry:1X10⁶ Human PBMC were surface-stained with ABflo®700 Rabbit IgG isotype control (A25976,5 µl/Test,left) or ABflo® 700 Rabbit anti-Human CD45 mAb (A27932,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry:1X10⁶ Cynomolgus PBMC were surface-stained with ABflo® 700 Rabbit anti-Human/Monkey CD45 mAb (A27932,5 µl/Test). Cells in the lymphocyte gate were used for analysis.