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Biotin Rabbit anti-Human/Monkey CD45 mAb

Catalog No.: A25627

Basic Information

Observed MW

Calculated MW
131kda/136kDa/141kDa/143kDa/147kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC5024

Conjugate
Biotin

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 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
5788

Swiss Prot
P08575

Immunogen
Recombinant protein (or fragment).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

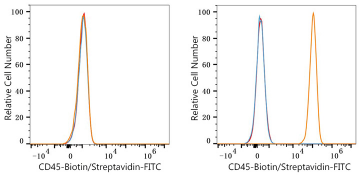
Source
Rabbit

Isotype
IgG

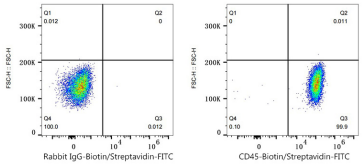
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1X10^6 293T cells (negative control,left) and Jurkat cells (right) were surface-stained with Biotin Rabbit anti-Human CD45 mAb (A25627,5 µl/Test,orange line) or Biotin Rabbit IgG isotype control (A25626,5 µl/Test,blue line), followed by Alexa Fluor® 488 Streptavidin staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Jurkat cells were surface-stained with Biotin Rabbit IgG isotype control (A25626,5 µl/Test,left) or Biotin Rabbit anti-Human CD45 mAb (A25627,5 µl/Test,right), followed by Alexa Fluor® 488 Streptavidin staining.