

# ABflo® 510 Rabbit anti-Human/Monkey CD45 mAb

Catalog No.: A27871

## Basic Information

### Observed MW

### Calculated MW

138kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human, Cynomolgus

### CloneNo number

ARC5024

### Conjugate

ABflo® 510. Ex:412nm. Em:505nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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.

## Immunogen Information

### Gene ID

5788

### Swiss Prot

P08575-8

### 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

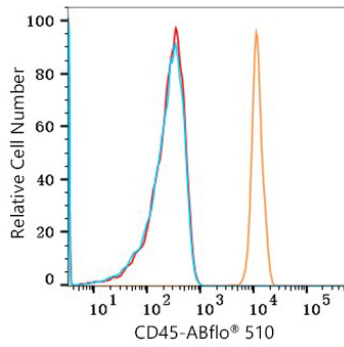
Affinity purification

### Storage

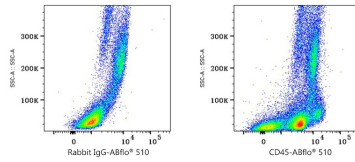
Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 510 Rabbit anti-Human/Monkey CD45 mAb (A27871,5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 510 Rabbit IgG isotype control (5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.



Flow cytometry:  $1 \times 10^6$  Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 510 Rabbit IgG isotype control (5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 510 Rabbit anti-Human/Monkey CD45 mAb (A27871,5  $\mu\text{l}/\text{Test}$ , right).