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# ABflo® 610 Rabbit anti-Human/Monkey CD45 mAb

Catalog No.: A25823

#### **Basic Information**

#### **Observed MW**

#### **Calculated MW**

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

### Category

Primary antibody

### **Applications**

FC

#### **Cross-Reactivity**

Human, Cynomolgus

#### CloneNo number

ARC5024

#### Conjugate

ABflo® 610. Ex:421nm. Em:612nm.

# **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  $\mu$ l per 10^6 cells in 100  $\mu$ l 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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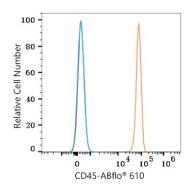
#### **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 610 Rabbit anti-Human/Monkey CD45 mAb (A25823,5 µl/Test,orange line) or ABflo® 610 Rabbit IgG isotype control (A25826,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.