

# PE Rabbit anti-Monkey CD22 mAb

Catalog No.: A28610

## Basic Information

### Observed MW

### Calculated MW

95 kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Cynomolgus

### CloneNo number

ARC59246

### Conjugate

PE. Ex:565nm. Em:574nm.

## Background

CD22 is a 130 kDa type I transmembrane glycoprotein, also known as Siglec-2 and BL-CAM. It is a member of the immunoglobulin superfamily (sialoadhesin subgroup). CD22 is expressed in the cytoplasm of pro-B and pre-B cells, and on the surface of mature and activated B cells, but is absent on plasma cells. It is part of the B-cell receptor (BCR) complex and associates with signaling molecules such as SHP-1, Syk, Lck, Lyn, and phospholipase C $\gamma$ 1. The primary function of CD22 is believed to be the limitation of antigen receptor signaling by modulating the threshold for B-cell activation. Studies have shown that CD22 can bind to CD45RO and CD75, although the identity of its natural ligand(s) remains a subject of debate.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Immunogen Information

### Gene ID

102130968

### Swiss Prot

P20273

### Immunogen

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

### Synonyms

SIGLEC2; SIGLEC-2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

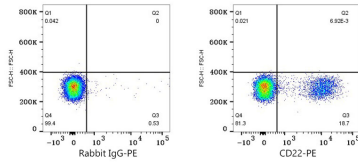
Affinity purification

### Storage

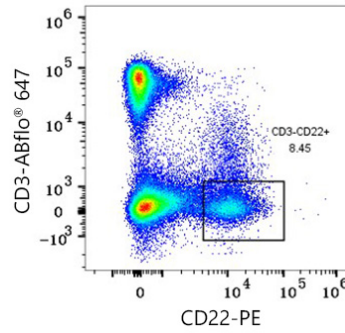
Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  Cynomolgus PBMC were surface-stained with PE Rabbit IgG isotype control (A24172, 5  $\mu\text{l}/\text{Test}$ , left) or PE Rabbit anti-Monkey CD22 mAb (A28610, 5  $\mu\text{l}/\text{Test}$ , right). 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® 450 Rabbit anti-Human/Monkey CD45 mAb (A25195, 5  $\mu\text{l}/\text{Test}$ ), ABflo® 647 Rabbit anti-Human/Monkey CD3 mAb (26284, 5  $\mu\text{l}/\text{Test}$ ) and PE Rabbit anti-Monkey CD22 mAb (A28610, 5  $\mu\text{l}/\text{Test}$ ). Cells in the CD45+ gate were used for analysis.