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**ABclonal** 

# ABflo® 647 Rabbit anti-Mouse CD22 mAb

Catalog No.: A24628

### **Basic Information**

#### **Observed MW**

Refer to figures

#### **Calculated MW**

89kDa/93kDa/97kDa

#### Category

Primary antibody

#### **Applications**

IF-P,FC

#### **Cross-Reactivity**

Mouse

#### CloneNo number

ARC62722

#### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

# **Background**

Enables CD4 receptor binding activity; protein phosphatase binding activity; and sialic acid binding activity. Involved in several processes, including negative regulation of calcium-mediated signaling; negative regulation of immunoglobulin production; and regulation of B cell proliferation. Located in external side of plasma membrane and neuronal cell body membrane. Is integral component of plasma membrane. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system. Orthologous to human CD22 (CD22 molecule).

# **Recommended Dilutions**

IF-P 1:50 - 1:200

FC 5 μl per 10^6 cells in 100 μl volume

# Immunogen Information

**Gene ID**12483

Swiss Prot
P35329

#### **Immunogen**

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

### **Synonyms**

Lyb8; Lyb-8; A530093D23

### **Contact**

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### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity 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.

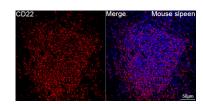
## **Validation Data**











Flow cytometry: 1X10^6 NIH/3T3 cells (negative control,left) and C57BL/6 splenocytes (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD22 mAb (A24628,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10^6 C57BL/6 splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or ABflo® 647 Rabbit anti-Mouse CD22 mAb (A24628,5 µl/Test,right).

Confocal imaging of paraffin-embedded Mouse spleen tissue using ABflo® 647 Rabbit anti-Mouse CD22 mAb (A24628, dilution 1:100) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.