

CD22 Rabbit mAb

Catalog No.: A24630 **Recombinant**

Basic Information

Observed MW

140kDa

Calculated MW

89kDa/93kDa/97kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,FC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC62722

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

WB	1:1000 - 1:3000
IF-P	1:200 - 1:800
IHC-P	1:500 - 1:2000
FC	1:100 - 1:500
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

12483

Swiss Prot

P35329

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-151 of mouse CD22 (NP_033975.3).

Synonyms

Lyb8; Lyb-8; A530093D23; CD22

Product Information

Source

Rabbit

Isotype

IgG

Purification

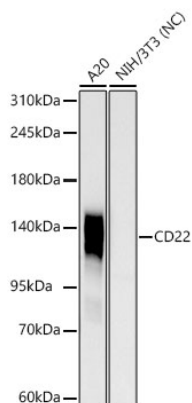
Affinity purification

Storage

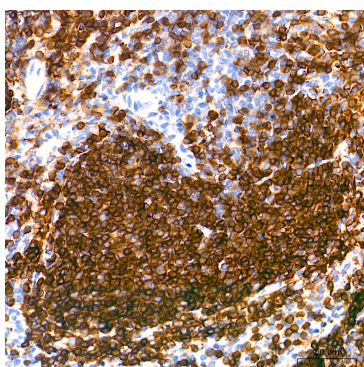
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

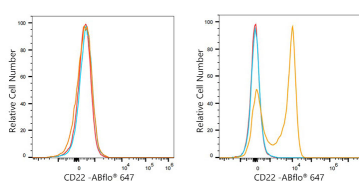
Validation Data



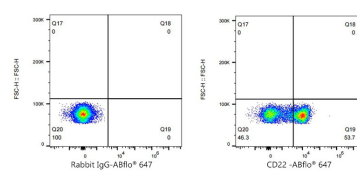
Western blot analysis of various lysates using CD22 Rabbit mAb (A24630) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC):NIH/3T3. Exposure time: 30s.



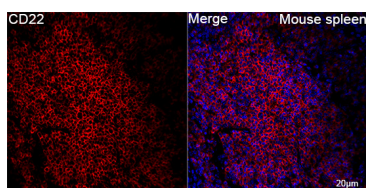
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD22 Rabbit mAb (A24630) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Flow cytometry: 1×10^6 NIH/3T3 cells (negative control, left) and C57BL/6 splenocytes (right) were surface-stained with CD22 Rabbit mAb (A24630, 2µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 C57BL/6 splenocytes cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, left) or CD22 Rabbit mAb (A24630, 2 µg/mL, right).



Immunofluorescence analysis of Mouse spleen using CD22 Rabbit mAb (A24630) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.