

# Product Information

## Recombinant Anti-Human cd22 Antibody

Cat. No.: **MOM-18047**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody is against Human CD22, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

CD22 or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. Generally speaking, CD22 is a regulatory molecule that prevents the overactivation of the immune system and the development of autoimmune diseases. CD22 is a sugar binding transmembrane protein, which specifically binds sialic acid with an immunoglobulin (Ig) domain located at its N-terminus. The presence of Ig domains makes CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signalling.

### Specific Activity

Tested positive against native antigen.

### Target

CD22

### Immunogen

A combination of recombinant human CD22 extracellular 25 domain and CHO cells engineered to express full-length human CD22 on the cell surface

### Source

Mouse

### Species Reactivity

Human

### Type

Mouse IgG2a

### Expression Host

CHO

### Predicted N terminal

H chain: EVQLVQS; L Chain: EIVLTQS

### Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in IP, IF, FuncS, FC, Neut, ELISA, IHC and most other immunological methods.

### Storage

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

## ANTIGEN GENE INFORMATION

### Gene Name

[CD22 CD22 molecule \[ Homo sapiens \]](#)

### Official Symbol

CD22

### Synonyms

SIGLEC2; SIGLEC-2; B-cell receptor CD22; BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2; BLCAM; Leu14; Siglec-2

### Gene ID

[933](#)

### mRNA Refseq

[NM\\_001771.3](#)

### Protein Refseq

[NP\\_001762.2](#)

### MIM

[107266](#)

### UniProt ID

P20273

### Chromosome Location

19q13.1

### Pathway

B Cell Receptor Signaling Pathway; BCR signaling pathway; Cell adhesion molecules (CAMs); Hematopoietic cell lineage

### Function

Carbohydrate binding; Protein binding