

# Product Information

## Recombinant Anti-Human cd22 Antibody

Cat. No.: **MOM-18183**

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

### Product Overview

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

### Antigen Description

Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.

### Specific Activity

Tested positive against native antigen.

### Target

CD22

### Source

Mouse

### Species Reactivity

Human

### Type

Mouse IgG

### Expression Host

CHO

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Applications

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

### Storage

Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

## 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