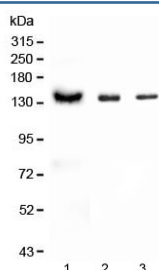


CD22 Antibody (R32000)

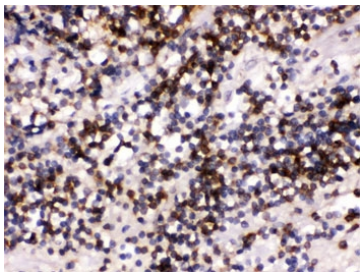
Catalog No.	Formulation	Size
R32000	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

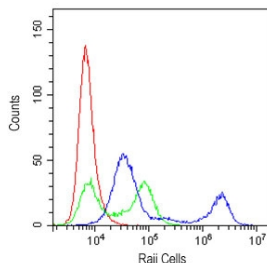
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P20273
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells
Limitations	This CD22 antibody is available for research use only.



Western blot testing of 1) human Raji and 2) rat thymus and 3) mouse thymus lysate with CD22 antibody. Expected molecular weight: 76/95 kDa (alpha/beta, unmodified), 130-150 kDa (glycosylated).



IHC testing of FFPE human tonsil with CD22 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Flow cytometry testing of human Raji cells with CD22 antibody at 1ug/10⁶ cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD22 antibody.

Description

CD22 mediates Bcell-Bcell 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. [UniProt]

Application Notes

Optimal dilution of the CD22 antibody should be determined by the researcher.

Immunogen

Amino acids LAILILAICGLKLQRRWKRTQSQQGLQEN of human CD22 were used as the immunogen for the CD22 antibody.

Storage

After reconstitution, the CD22 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.