



# Mouse Anti-Human CD22 monoclonal antibody, clone JID133 (CABT-L2828)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human CD22
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID133
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
<b>Positive Control</b>	Tonsil
<b>Format</b>	Liquid
<b>Size</b>	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
<b>Buffer</b>	<p>Predilute: Antibody Diluent Buffer</p> <p>Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA</p>

<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Cluster of differentiation 22 (CD22) is a glycoprotein that appears on the cell membrane of B-cells and the cytoplasm of late pro- and early pre-B lymphocytes. Anti-CD22 is a useful pan-B reagent that allows for the identification of neoplastic and normal B lymphocytes in the peripheral blood. CD22 is overexpressed in hairy cell leukemia. Expression is only present in the late stages of B-lymphocyte differentiation, and therefore may support the identification of mature B-cell leukemia. Some studies have suggested that CD22 may be involved in metastasis of lung cancer cells.
<b>Keywords</b>	CD22;CD22 antigen;Lyb8;Lyb-8;A530093D23;B-cell receptor CD22;BL-CAM;siglec-2;T-cell surface antigen Leu-14;B-lymphocyte cell adhesion molecule;sialic acid-binding Ig-like lectin 2;

## GENE INFORMATION

<b>Gene Name</b>	CD22 CD22 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD22
<b>Synonyms</b>	CD22; CD22 molecule; 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;
<b>Entrez Gene ID</b>	<a href="#">933</a>
<b>Protein Refseq</b>	NP_001172028
<b>UniProt ID</b>	<a href="#">P20273</a>
<b>Chromosome Location</b>	19q13.1
<b>Pathway</b>	B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; BCR signaling pathway; Cell adhesion molecules (CAMs); Hematopoietic cell lineage;
<b>Function</b>	carbohydrate binding; protein binding;