Product datasheet for AM08033BT-N

Cd22 Rat Monoclonal Antibody [Clone ID: 2D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D6
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** < / = 1 µg/10e6 cells. (Ref.2)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody is specific to CD22 (Mr 150 kDa), a B Lymphocyte Adhesion Molecule.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD22 antigen
Database Link:	Entrez Gene 12483 Mouse P35329

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Background: CD22, also known as Lyb-8, is a heterodimeric transmembrane glycoprotein and a member of a structurally related group of immunoglobulin (Ig) superfamily domain-containing proteins called the sialoadhesin family. It is detected in the cytoplasm early in B cell development (late pro-B cell stage), appears on the cell surface concomitant with IgD, and is found on most IgM+IgD+ mature B lymphocytes. Expression is lost with terminal differentiation of B cells and is absent on plasma cells. Activation of B cells via cross-linking of surface Ig increases CD22 expression. (Ref.1,2) CD22 associates with the B cell receptor (BCR) complex and mediates intercellular adhesion. (Ref.2-4) Its intracellular domain is phosphorylated after antigen receptor crosslinking and is involved in negative regulation of B-cell activation. (Ref.6-9)

Synonyms: SIGLEC2, Siglec-2, B-cell receptor CD22, Leu-14, BL-CAM