

Product datasheet for **AM33030PU-N**

Cd22 (heavy chain) Mouse Monoclonal Antibody [Clone ID: 3H4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3H4
Applications:	FC, IF, IHC
Recommended Dilution:	Flow cytometry. Immunocytochemistry. Immunohistochemistry on Frozen sections. <i>Recommended Dilutions:</i> 1/100–1/200 for Flow Cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Daudi cells, a Burkitt's lymphoma cell line
Specificity:	This antibody recognizes HLA class I heavy chains (CD22). It can be used for CD22+ cell identification, quantification and isolation.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store 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:	P35329



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Background:

CD22 is a 140kDa transmembrane type 1 protein, which is a member of the sialic acid binding immunoglobulin (Ig)-like lectin family of proteins. CD22 is a B-lymphocyte specific protein, which is differentially expressed during B-cell development. It is expressed in the cytoplasm of immature B-cells and on the surface of mature B-cells. The CD22 molecule functions as an adhesion receptor, binding to alpha 2-6 linked sialic acids on glycoproteins expressed by leucocytes and erythrocytes. The molecule is also involved in the regulation of B-cell antigen receptor signaling.

Synonyms:

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