

Product datasheet for **AP01136BT-S**

CD22 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: Direct: To detect hCD22 (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hCD22. Sandwich: To detect hCD22 (using 100 µl/well antibody solution) a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human CD22 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hCD22. Western blot: To detect hCD22 this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hCD22 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human CD22
Specificity:	This antibody detects CD22.
Formulation:	PBS, pH 7.2 Label: Biotin State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD22 molecule



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Database Link: [Entrez Gene 933 Human P20273](#)

Background: CD22 is a type 1 integral membrane glycoprotein with molecular weight of 130 to 140kD. It is expressed in both the cytoplasm and cell membrane of B lymphocytes. CD22 antigen appears early in B cell lymphocyte differentiation at approximately the same stage as the CD19 antigen. Unlike other B cell markers, CD22 membrane expression is limited to the late differentiation stages comprised between mature B cells (CD22+) and plasma cells (CD22-), and may thus prove useful in phenotyping mature leukemias. CD22 is also strongly expressed in hairy cell leukemia. There are two different isoforms of CD22. It exists predominantly as a monomer of the beta isoform but can also be found as a heterodimer composed of the beta isoform and a second, shorter isoform (CD22 alpha).

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