

Product datasheet for **AM00647RP-N**

CD22 Mouse Monoclonal Antibody [Clone ID: RFB-4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RFB-4
Applications:	IF, IHC
Recommended Dilution:	Flow Cytometry: 5 μ l is the maximum amount of reagent required for 1×10^6 cells. Lesser amounts of antibody may be sufficient and it is recommended that the customer determine the optimum amount of antibody for each application. Immunohistochemistry on Frozen Sections: Staining of frozen sections by direct fluorescence or by immuno-chemical techniques. Quantitative determination of peripheral B-cells (CD22⁺) in blood. Identification of CD22⁺ -cells in tissue sections. Determination of B-cell origin of lymphoid neoplasms. Quantitative elimination or isolation of B-cells by flow cytometry or magnet beads.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts with the CD22 antigen. CD22 is a heterodimer consisting out of 2 glycoproteins (130 and 140 kD). Antigen Distribution: Peripheral blood lymphocytes: 12 \pm 3% T-cells (E ⁺): < 1% B-cells (E ⁻ , Ig ⁺): 92 \pm 3% Monocytes (CD14 ⁺): < 1% Granulocytes: < 1% Thymocytes: < 1%



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Formulation:	Label: PE State: Liquid purified IgG fraction Stabilizer: A highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml Preservative: Sodium Azide Molar ratio: F/P :1
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted in the dark at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD22 molecule
Database Link:	Entrez Gene 933 Human P20273
Background:	CD22 is a heterodimer consisting out of 2 glycoproteins (130 and 140 kD). The molecule is involved in signal transduction in B-cells activated via surface immunoglobulines. CD22 is in principle a B lineage antigen, that is present in the cytoplasm of progenitor B-cells and on the membrane of the majority of mature peripheral B-lymphocytes. Fur-thermore, it is strongly expressed on Hairy Cell Leukemia cells and very weakly on some other leukemias.
Synonyms:	SIGLEC2, Siglec-2, B-cell receptor CD22, Leu-14, BL-CAM