



## CD22

**Product:** Anti-human CD22 B Lymphocytes monoclonal antibody.

**Description:** Identification of human B cells associated with approximately 10% of peripheral blood lymphocytes.

**Isotype** Mouse IgG2b kappa

**Clone:** 5.8HK

**Applications:** Monitoring of B cells in peripheral blood; Analysis of B cell subsets; Study of B cell activation; Study of B cell neoplasms; Study of T cell activation.

**Use: PBMC:** Add 10  $\mu$ l of MAB/10<sup>6</sup> PBMC in 100  $\mu$ l PBS. Mix gently and incubate for 15 minutes at 20<sup>o</sup> to 8<sup>o</sup>C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.

**WHOLE BLOOD:** Add 10  $\mu$ l of MAB/100  $\mu$ l of whole blood. Mix gently and incubate for 15 minutes at room temperature (20<sup>o</sup>C). Lyse the whole blood. Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

**Storage:** Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8<sup>o</sup>C. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	Unconjugated	100 $\mu$ g	0221
	FITC	100 Test	0222
	PE	100 Test	0224

### REFERENCES:

1. In vivo and in vitro expression of myeloid antigens on B-lineage acute lymphoblastic leukemia cells. Leukemia 1991 Ja;5(1):19-25 Hara J; Kawa-Ha K; Yumura-Yagi K; Kurahashi H; Tawa A; Ishihara S; Inoue M; Murayama N; Okada S
2. Activation of dense human tonsillar B cells. Induction of c-myc gene expression via two distinct signal transduction pathways. J Immunol 1991 Feb;146(3):846-53 White MW; McConnell F; Shu GL; Morris DR; Clark EA
3. Differential effects of low and high concentrations of interleukin 6 on human B cells. Eur J Immunol 1990 No;20(11):2389-93 Levy Y; Fermand JP; Brouet JC
4. Immunophenotypes in "classical" B-cell chronic lymphocytic leukemia. Correlation with normal cellular counterpart and clinical findings. Cancer 1990 Oct 1;66(8):1738-42 Baldini L; Cro L; Cortelezzi A; Calori R; Nobili L; Maiolo AT; Polli EE
5. B-cell differentiation following autologous, conventional, or T-cell depleted bone marrow transplantation: a recapitulation of normal B-cell ontogeny. Blood 1990 Oct 1;76(8):1647-56 Small TN; Keever CA; Weiner-Fedus S; Heller G; O'Reilly RJ; Flomenberg N
6. Phenotypic analysis of a large number of normal human bone marrow sample by flow cytometry. Blut 1990 No;61(5):271-7 Andreoni C; Rigal D; Bonnard M; Bernaud J
7. Identification and characterization of plasma cells in normal human bone marrow by high-resolution flow cytometry. Blood 1990 Nov ;76(9):1739-47 Terstappen LW; Johnsen S; Segers-Nolten IM; Loken MR.

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