

## CD19

**Product:** Anti-human B Lymphocytes Monoclonal Antibody.

**Description:** Identification of human B cells associated approximately with 10% of peripheral blood lymphocytes, 95,000 M.W. surface antigen.

**Isotype:** Mouse IgG-1 kappa.

**Clone:** 1G9

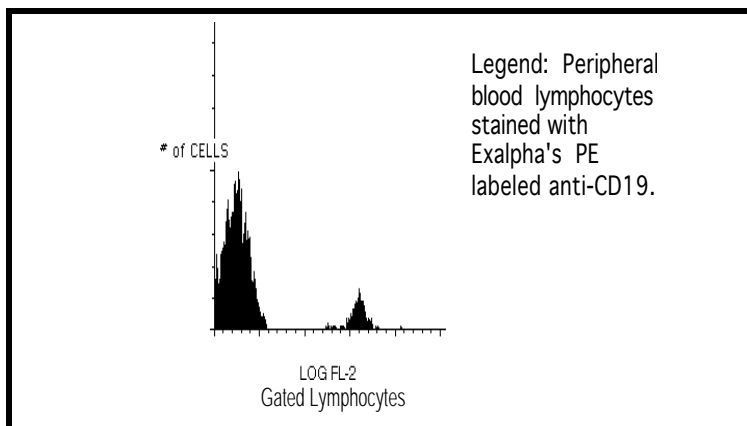
**Applications:** Monitoring of B cells in peripheral blood; Analysis of B cell subsets; Study of B cell activation; Study of B cell neoplasms.

**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 2<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.

**ALLOPHYCOCYANIN:** (APC) conjugates are analyzed in multi-color flow cytometry with instruments equipped with a second laser and proper filters. Laser excitation is at 633 nm with a Helium Neon (HeNe) laser or a 600-640 nm (633 nm) range for a Dye laser. Peak fluorescence emission is at 660 nm.

**RPE-Cy-5\*:** Excites at 488nm and emits at 670nm. Store protected from light.



**Storage:** Unconjugated antibodies supplied as a 1 mg/ml solution in PBS and 0.08% sodium azide and should be stored at -20<sup>o</sup> C. 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 #
	Pure	100 $\mu$ g	0191
	FITC	100 Test	0192
	Biotin	100 Test	0193
	PE	100 Test	0194
	APC	100 Test	AP19
	RPE-Cy-5*	100 Test	X1042

**For research use only. Not for use in human diagnostics or therapeutics.**

\* Portions of this product are manufactured under license from Carnegie Mellon University, U.S. Patent Number 5,268,486.

#### **REFERENCES:**

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