



CD34

Product: Anti-Human Progenitor Cell Antigen

Description: Human Progenitor Cell Antigen (MW 115 K daltons) is found on normal peripheral blood lymphocytes, monocytes, granulocytes and platelets. CD34 is present on 1% or less of cells in normal human bone marrow. Human Progenitor Cell Antigen reacts with 30-70% of acute leukemias, as well as all TdT positive lymphocytes in bone marrow.

Isotype: Mouse IgG1 kappa

Clone: CS37

Applications: Study of hematopoiesis and stem cells; Monitoring of subsets in bone marrow; Characterization of leukemias and lymphomas; Studies of immune complex diseases

Use: PBMC: Add 10 μ l of MAB/10⁶ PBMC in 100 μ l PBS. Mix gently and incubate for 15 minutes at 2^o to 8^o C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. WHOLE BLOOD: Add 10 μ l of MAB/100 μ l of whole blood. Mix gently and incubate for 15 minutes at room temperature 20^oC. 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.

Storage: Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8^oC. 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 #
	FITC	100 Test	0342
	PE	100 Test	0344
	APC	100 Test	AP34

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

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8. Long-term erythropoiesis from constant numbers of CD34+ cells in serum-free cultures initiated with highly purified progenitor cells from human bone marrow. Lansdorp PM; Dragowska W J Exp Med 1992 Jun 1;175(6):1501-9

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