



CD117

Product: Anti-human CD117 reacts against c-kit gene product (SCF receptor).

Description: CD117 reacts with 8% of myelomonocytes and 75% of CD34-positive cells. The hematopoietic stem cells are included in this fraction and therefore, this gene product is considered to have an important function for differentiation and proliferation of hematopoietic cells. CD117 also reacts with placenta, brain, a part of acute myeloblastic leukemia cells and chronic myeloblastic leukemia cells, but not with acute lymphoblastic leukemia cells. MW is 145kDa.

Isotype: Mouse IgG1 kappa.

Source: Derived from hybridization of mouse myeloma cells and spleen cells of a BALB/c mouse, which was immunized with transfected cells with c-kit DNA in human leukemia cells (UT-7).

Applications: Monitoring of CD34- positive cells; Analysis of 8% of myelomonocytes; Study of hematopoietic stem cell differentiation and proliferation; Study of the c-kit gene product (SCF receptor); Study of a part of acute myeloblastic leukemia cells; Study of chronic myeloblastic leukemia cells

Use: PBMC: Count the number of positive cells in peripheral blood. Add 10 μ l of Mab to 50 μ l suspended lymphocyte solution at 2×10^7 . Mix gently and incubate for 15 minutes at 2^o to 8^oC. Wash twice 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: Unconjugated antibodies supplied as a 1 mg/ml solution in PBS and 0.08% sodium azide and should be stored at -20^oC. 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 #
	Pure	100 μ g	1171
	FITC	100 Test	1172
	RPE	100 Test	1174

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