

Product datasheet for **AM05206RP-N**

c Kit (KIT) Mouse Monoclonal Antibody [Clone ID: NU-c-kit]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NU-c-kit
Applications:	FC
Recommended Dilution:	Flow Cytometry. 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.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Immunized with transfected cells with c-kit DNA in human leukemia cells (UT-7).
Specificity:	CD117 reacts against c-kit gene product (SCF receptor).
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: PE State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. Do Not Freeze!
Stability:	Shelf life: One year from despatch.
Gene Name:	KIT proto-oncogene receptor tyrosine kinase
Database Link:	Entrez Gene 3815 Human P10721



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Background: 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.

Synonyms: SCFR, KIT

Note: Protocol: **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 2-8°C.
Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.
See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.