

## Product datasheet for **SM1720B**

### **c Kit (KIT) Mouse Monoclonal Antibody [Clone ID: 104D2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	104D2
Applications:	FC
Recommended Dilution:	Indirect immunofluorescence analysis by Flow cytometry.
Reactivity:	Bovine, Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MOLM-1 megakaryocytic cells
Specificity:	This antibody detects extracellular part of CD117 / c-Kit protooncogen.
Formulation:	Phosphate buffered saline (PBS) Label: Biotin State: Liquid purified Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4 Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	KIT proto-oncogene receptor tyrosine kinase
Database Link:	<a href="#">Entrez Gene 3815 Human P10721</a>



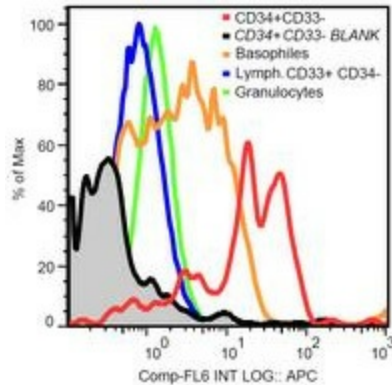
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**Background:**

CD117 / c-Kit (stem cell factor receptor) is a 145 kDa receptor tyrosine kinase that regulates cell proliferation, adhesion, chemotaxis, apoptosis and other cell processes. Mutations of CD117 / c-Kit can lead to growth and progression of tumours. After binding of its ligand, SCF (stem cell factor), CD117 / c-Kit is autophosphorylated on its intracellular domains and activated. CD117 is expressed on pluripotent hematopoietic progenitor cells, mast cells and various cancer cells, e.g. acute myeloid leukemia cells.

**Synonyms:**

SCFR, KIT

**Product images:**


Surface staining of human peripheral blood cells with anti-CD117 (104D2) purified.