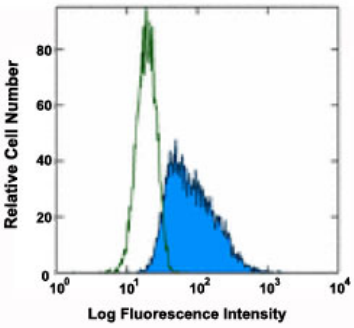
KIT monoclonal antibody, clone YB5.B8 (PE)

Catalog # MAB12234 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of viable TF-1 cells using KIT monoclonal antibody, clone YB5.B8 (PE) (Cat # MAB12234) (filled histogram) and staining buffer for autofluorescence (open histogram).

Specification

Product Description	Mouse monoclonal antibody raised against KIT.
Immunogen	KIT
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Affinity Chromatography
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (0.09% Sodium azide, may contain carrier protein/stabilizer).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of viable TF-1 cells using KIT monoclonal antibody, clone YB5.B8 (PE) (Cat # MAB12234) (filled histogram) and staining buffer for autofluorescence (open histogram).

Gene Info — KIT

Entrez GeneID	3815
Gene Name	KIT
Gene Alias	C-Kit, CD117, PBT, SCFR
Gene Description	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Omim ID	164920 172800 273300 601626 606764
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as th e cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembra ne receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this ge ne are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous luk emia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	mast/stem cell growth factor receptor|proto-oncogene tyrosine-protein kinase Kit|soluble KIT varia nt 1

Pathway

- Acute myeloid leukemia
- Cytokine-cytokine receptor interaction
- Endocytosis
- Hematopoietic cell lineage
- Melanogenesis

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- Pathways in cancer

Disease

- Acute Disease
- Aneuploidy
- Azoospermia
- Chronic Disease
- Constipation
- Disease Progression
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Neoplasms
- Hyperpigmentation
- Infertility
- Leukemia
- Liver Neoplasms
- Lung Neoplasms
- Malignant melanoma
- Mastocytosis
- Melanoma
- Neoplasm
- Neoplasm Recurrence
- Neoplasm Seeding
- Oligospermia
- Osteoporosis
- Pancreatic cancer

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- Pancreatic Neoplasms
- Skin Neoplasms
- Splenic Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Translocation

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