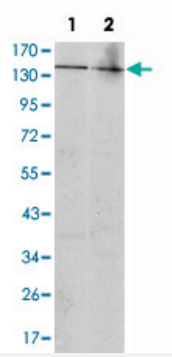
KIT monoclonal antibody, clone 1C5

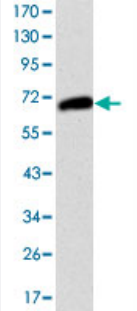
Catalog # MAB10712 Size 100 uL

Applications



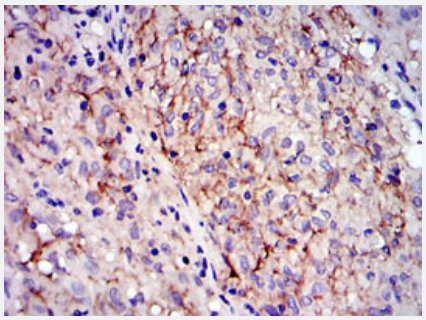
Western Blot (Cell lysate)

Western blot analysis using KIT monoclonal antibody, clone 1C5 (Cat # MAB10712) against Jurkat (1) and HeLa (2) cell lysate.



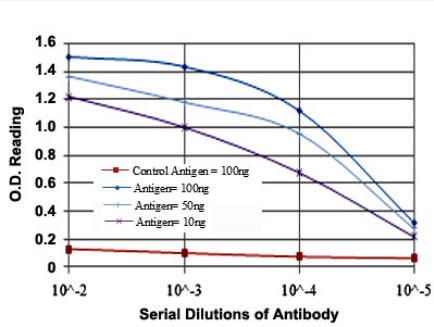
Western Blot (Recombinant protein)

Western blot analysis using KIT monoclonal antibody, clone 1C5 (Cat # MAB10712) against human KIT (aa 805-976) recombinant protein. (Expected MW is 45 kDa)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human malignant stromal tumors tissues using KIT monoclonal antibody, clone 1C5 (Cat # MAB10712) with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA measurement of KIT monoclonal antibody, clone 1C5 (Cat # MAB10712)
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Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant KIT.
Immunogen	Recombinant protein corresponding to human KIT.
Host	Mouse
Theoretical MW (kDa)	145
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Western Blot (Recombinant protein)

  Western blot analysis using KIT monoclonal antibody, clone 1C5 (Cat # MAB10712) against human KIT (aa 805-976) recombinant protein. (Expected MW is 45 kDa)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

  ELISA measurement of KIT monoclonal antibody, clone 1C5 (Cat # MAB10712) .

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