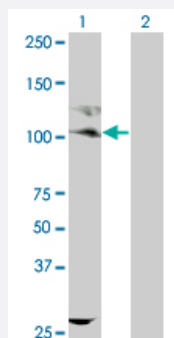


KIT monoclonal antibody (M09), clone 1D3

Catalog # H00003815-M09

Size 100 ug

Applications

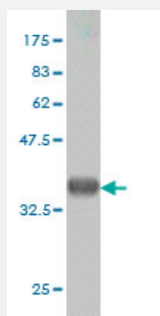


Western Blot (Transfected lysate)

Western Blot analysis of KIT expression in transfected 293T cell line by KIT monoclonal antibody (M09), clone 1D3.

Lane 1: KIT transfected lysate(109.865 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KIT.
Immunogen	KIT (NP_000213, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PGKSDLMRVGDEIRLLCTDPGFVKWTFEILDETNNKQNEWITEKAEATNTGKYTCTNKHGLSNSI YFVRDPAKLFLVDRSLYGKEDNDTLVRCPLTD
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of KIT expression in transfected 293T cell line by KIT monoclonal antibody (M09), clone 1D3.

Lane 1: KIT transfected lysate(109.865 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — KIT

Entrez GeneID

[3815](#)

GeneBank Accession#

[NM_000222](#)

Protein Accession#

[NP_000213](#)

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 the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, 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 variant 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](#)