

FLT3 monoclonal antibody (M01A), clone 1A11

Catalog # H00002322-M01A

Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FLT3.
Immunogen	FLT3 (NP_004110, 91 a.a. ~ 190 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LQVLVDAPGNISCLWVFKHSSLNCQPHFDLQNRGVVSMVILKMTETQAGEYLLFIQSEATNYTILFT VSIRNTLLYTLRRPYFRKMENQDALVCISESVP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (76)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — FLT3

Entrez GeneID	2322
GeneBank Accession#	NM_004119

Protein Accession#	NP_004110
Gene Name	FLT3
Gene Alias	CD135, FLK2, STK1
Gene Description	fms-related tyrosine kinase 3
Omim ID	136351 601626
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia. [provided by RefSeq]
Other Designations	CD135 antigen FL cytokine receptor FLT3 receptor tyrosine kinase OTTHUMP00000042340 fetal liver kinase 2 growth factor receptor tyrosine kinase type III stem cell tyrosine kinase 1 tyrosine-protein kinase receptor FLT3

Pathway

- [Acute myeloid leukemia](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Chromosome Aberrations](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Leukocytosis](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasm](#)
- [Neovascularization](#)
- [Noonan Syndrome](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)