

**Product Name: FLT3 Mouse Monoclonal Antibody**  
**Catalog #: AMM81226**



## Summary

<b>Production Name</b>	FLT3 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	FLT3
<b>Alternative Names</b>	FLK2; STK1; CD135; FLK-2
<b>Gene ID</b>	2322.0
<b>SwissProt ID</b>	P36888.Purified recombinant fragment of human FLT3 (AA: 930-991) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ELISA:1:10000
<b>Molecular Weight</b>	130kDa

## Background

**Product Name: FLT3 Mouse Monoclonal Antibody**  
**Catalog #: AMM81226**

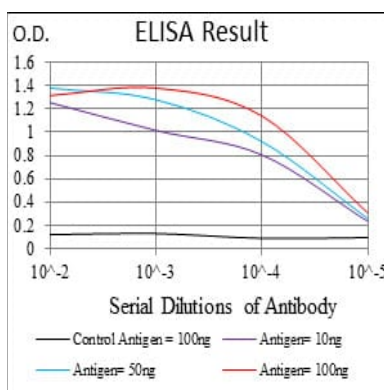


This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is 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. <br />

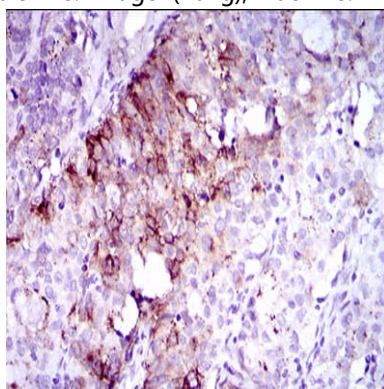
## Research Area

PI3K-Akt signaling pathway, Hippo signaling pathway

## Image Data



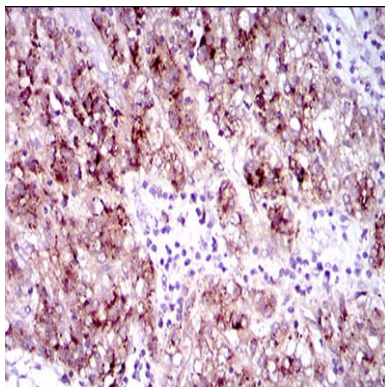
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using FLT3 mouse mAb with DAB staining.

**Product Name: FLT3 Mouse Monoclonal Antibody**  
**Catalog #: AMM81226**

---



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using FLT3 mouse mAb with DAB staining.

**Note**

For research use only.