



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## FLT3 monoclonal antibody (M06), clone 3H1

Catalog # : H00002322-M06

規格 : [ 100 ug ]

[List All](#)

### 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:** LQVLVDAPGNISCLWVFKHSSLNCQPHFDLQNRGVVSMVILKMTETQAG EYLLFIQSEATNYTILFTVSIKNTLLYTLRRPYFRKMENQDALVCISESVP

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.

**Storage Buffer:** In 1x PBS, pH 7.4

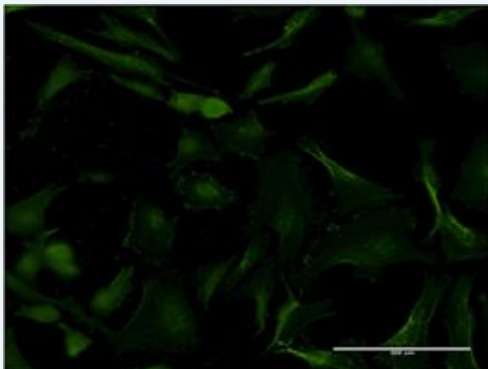
**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

#### Immunofluorescence



[enlarge this image](#)

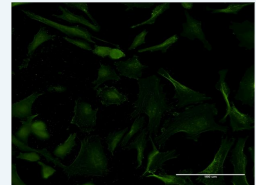
Immunofluorescence of monoclonal antibody to FLT3 on HeLa cell . [antibody concentration 10 ug/ml]

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)

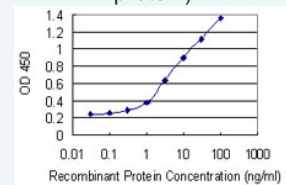
### Application Image

#### Immunofluorescence



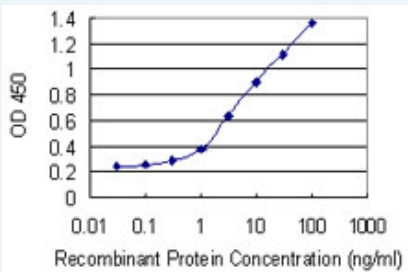
[enlarge](#)

#### Sandwich ELISA (Recombinant protein)



[enlarge](#)

#### ELISA



Detection limit for recombinant GST tagged FLT3 is 0.1 ng/ml as a capture antibody.

 [Protocol Download](#)

## ELISA

### Gene Information

Entrez GeneID: [2322](#)

GeneBank [NM\\_004119](#)

Accession#:

Protein [NP\\_004110](#)

Accession#:

Gene Name: FLT3

Gene Alias: CD135,FLK2,STK1

Gene fms-related tyrosine kinase 3

Description:

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

### Gene Pathway

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

### Related Disease

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