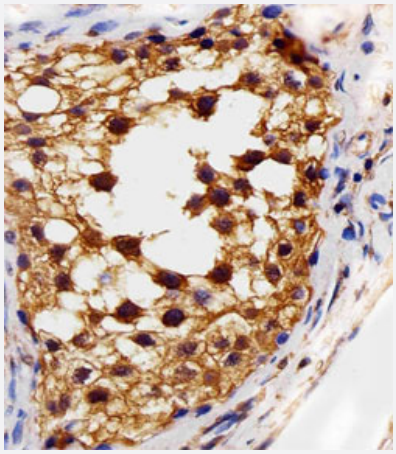
FLT4 monoclonal antibody, clone 818CT12.1.1

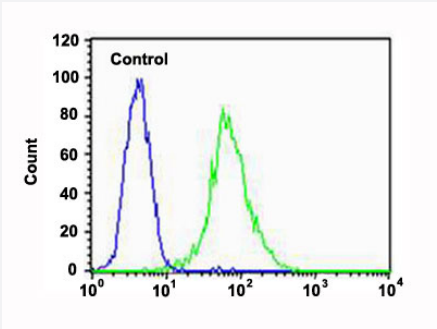
Catalog # MAB12341 Size 400 uL

Applications



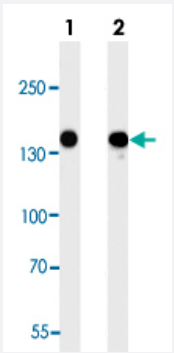
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human testis section reacted with FLT4 monoclonal antibody (Cat # MAB12341) at 1:25 dilution.



Flow Cytometry

Flow cytometric analysis of HUVEC cells (green histogram) and an isotype control of mouse IgG2a (blue histogram) reacted with FLT4 monoclonal antibody (Cat # MAB12341) at 1:25 dilution.



Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cell line lysates Lane 2: A549 cell line lysates reacted with FLT4 monoclonal antibody (Cat # MAB12341) at 1:2000 dilution.

Specification

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Product Description	Mouse monoclonal antibody raised against human FLT4.
Immunogen	Recombinant His fusion protein corresponding to human FLT4.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG2a
Recommend Usage	Flow Cytometry (1:25) Immunohistochemistry (1:25) Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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

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

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- Flow Cytometry

  Flow cytometric analysis of HUVEC cells (green histogram) and an isotype control of mouse IgG2a (blue histogram) reacted with FLT4 monoclonal antibody (Cat # MAB12341) at 1:25 dilution.

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Gene Info — FLT4

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Entrez GeneID	2324
Gene Name	FLT4
Gene Alias	FLT41, LMPH1A, PCL, VEGFR3
Gene Description	fms-related tyrosine kinase 4
Omim ID	136352 153100 602089
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA. [provided by RefSeq
Other Designations	soluble VEGFR3 variant 1|soluble VEGFR3 variant 2|soluble VEGFR3 variant 3|vascular endothelial growth factor receptor 3

Publication Reference

- A positive feedback loop consisting of C12orf59/NF-κB/CDH11 promotes gastric cancer invasion and metastasis.

  Zhang JX, He WL, Feng ZH, Chen DL, Gao Y, He Y, Qin K, Zheng ZS, Chen C, Weng HW, Yun M, Ye S, Xu RH, Xie D.

  Journal of Experimental & Clinical Cancer Research 2019 Apr; 38(1):164.

  Application: WB-Tr, Human, MKN-45 cells

Pathway

- Cytokine-cytokine receptor interaction
- Focal adhesion

Disease

- Breast cancer
- Cardiovascular Diseases
- Chorioamnionitis
- Chylothorax

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- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Kidney Failure
- Lymphangiectasis
- Lymphedema
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth

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