Product Name: FLT1 Mouse Monoclonal Antibody
Catalog #: AMM80772
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	100kDa

Antigen Information

Gene Name	FLT1
Alternative Names	FLT; VEGFR1
Gene ID	2321.0
SwissProt ID	P17948
Immunogen	Purified recombinant extracellular fragment of human FLT1 fused with hIgGFc tag expressed in HEK293 cells.

Background

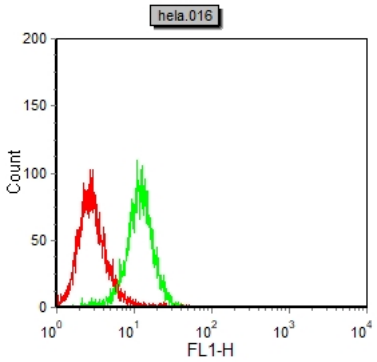
Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor), also known as FLT1 or VEGFR-1. It is a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor

tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.

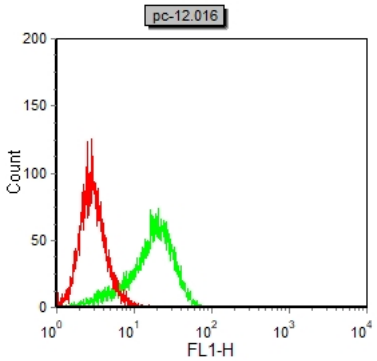
Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,Hippo signaling pathway

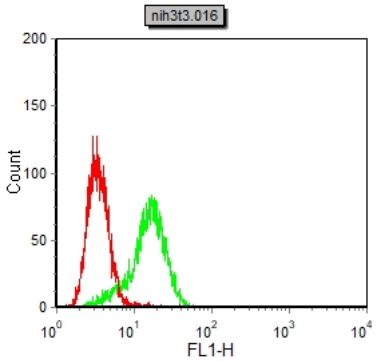
Image Data



Flow cytometric analysis of hela cells using FLT1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of PC12 cells using FLT1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH3T3 cells using FLT1 mouse mAb (green) and negative control (red).