

Product Name: KD-Validated FLT1 Mouse Monoclonal Antibody**Catalog #: KVA00607**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 150.8kDa

Antigen Information

Gene Name	FLT1
Alternative Names	FLT1; Fms Related Receptor Tyrosine Kinase 1; VEGFR1; Vascular Endothelial Growth Factor Receptor 1; Vascular Permeability Factor Receptor; FLT; Fms-Related Tyrosine Kinase 1 (Vascular Endothelial Growth Factor/Vascular Permeability Factor Receptor); Tyrosine-Protein Kinase Receptor FLT; Fms Related Tyrosine Kinase 1; Tyrosine-Protein Kinase FRT; Fms-Like Tyrosine Kinase 1; EC 2.7.10.1; VEGFR-1; FLT-1; Fms-Related Tyrosine Kinase 1; EC 2.7.10; FRT
Gene ID	2321.0
SwissProt ID	P17948
Immunogen	Recombinant protein of human VEGFR1

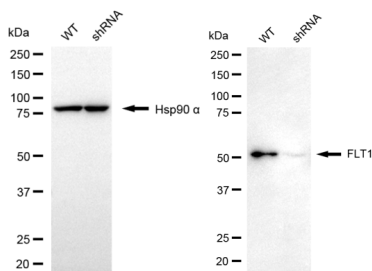
Background

This gene encodes 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. [provided by RefSeq, May 2009]

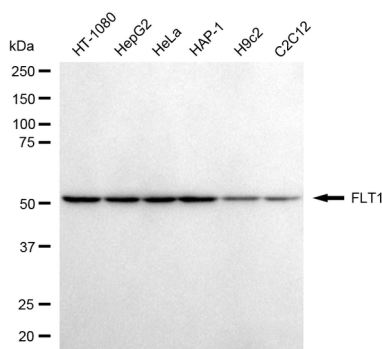
Research Area

Cardiovascular,Signal Transduction,Cancer,Kits/ Lysates/ Other,Metabolism,Neuroscience

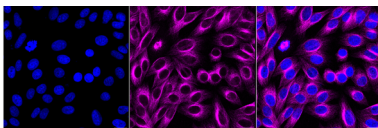
Image Data



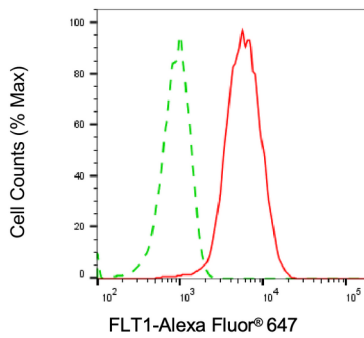
Western blotting analysis using FLT1 antibody (KVA00607). FLT1 expression in wild-type (WT) and FLT1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FLT1 antibody (KVA00607, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using FLT1 antibody (KVA00607). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FLT1 antibody (KVA00607, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively. FLT1, fms related receptor tyrosine kinase 1.



Immunocytochemical staining of HepG2 cells with FLT1 antibody (KVA00607, 1:1,000). Nuclei were stained blue with DAPI; FLT1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of FLT1 expression in HepG2 cells using FLT1 antibody (KVA00607, 1:2,000). Green, isotype control; red, FLT1.