

Flk-1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0560
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant extracellular fragment of human Flk-1 (aa20-764) fused with hIgGFc tag expressed in HEK293 cells.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Vascular endothelial growth factor receptor 2
Synonyms	KDR; FLK1; VEGFR2; Vascular endothelial growth factor receptor 2; VEGFR-2; Fetal liver kinase 1; FLK-1; Kinase insert domain receptor; KDR; Protein-tyrosine kinase receptor flk-1; CD antigen CD309

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

Recommended Dilution

ELISA: 1:10000

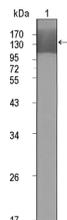
FC: 1:200 - 1:400

IF: 1:200 - 1:1000

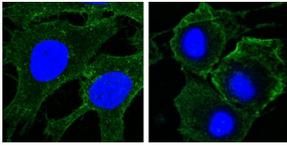
WB: 1:500 - 1:2000

Not yet tested in other applications.

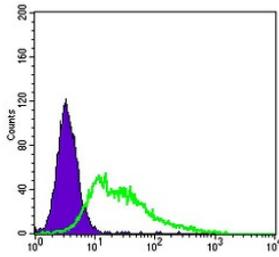
Images



Western Blot analysis using Flk-1 Monoclonal antibody against extracellular domain of human Flk-1 (aa20-764).



Confocal immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using Flk-1 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HepG2 cells using Flk-1 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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