KDR Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2710
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human KDR (AA: 1225-1356) expressed in E. Coli.
Mol wt	151.5kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	FLK1;CD309;VEGFR;VEGFR2

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. [provided by RefSeq, May 2009]
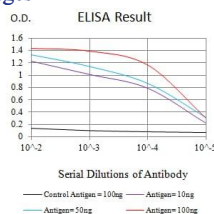
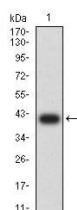## Recommended Dilution

WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

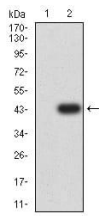ELISA: 1:10000

Not yet tested in other applications.

Images

Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

Western blot analysis using KDR mAb against human KDR (AA: 1225-1356) recombinant protein. (Expected MW is 40.2 kDa)

Western blot analysis using KDR mAb against HEK293 (1) and KDR (AA: 1225-1356)-hIgGFc transfected HEK293 (2) cell lysate.
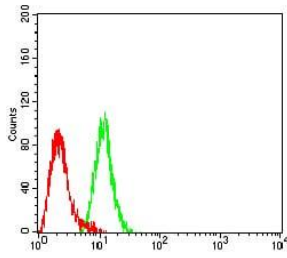
Flow cytometric analysis of Hela cells using KDR mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.