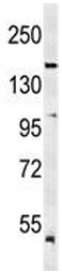
KDR Antibody / Kinase Insert Domain Receptor / VEGFR2 (F50627)

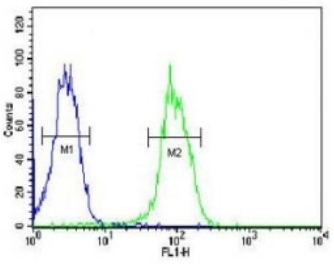
Catalog No.	Formulation	Size
F50627-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50627-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P35968
Localization	Cytoplasmic and cell surface
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This KDR antibody is available for research use only.



Western blot analysis of KDR antibody and mouse lung tissue lysate. Predicted molecular weight: ~152 (immature), 180-200 kDa (intermediate) and 220-230 kDa (mature).



KDR antibody flow cytometric analysis of MDA-MB435 cells (green) compared to a negative control (blue).

Description

KDR is a major growth factor for endothelial cells. This protein encodes one of the two receptors of the KDR. 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..

Application Notes

Titration of the KDR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1153-1182 from the human protein was used as the immunogen for this KDR antibody.

Storage

Aliquot the KDR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.