

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

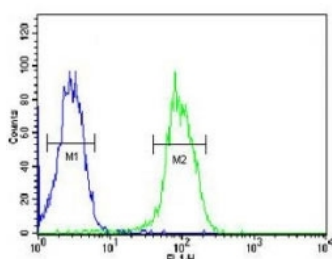
Catalog No.	Formulation	Size
F50627-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50627-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
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 $\alpha V\beta 3$, 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 -20°C or colder. Avoid repeated freeze-thaw cycles.