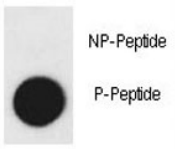
Phospho-KDR Antibody / VEGFR2 (pY1175) (F48625)

Catalog No.	Formulation	Size
F48625-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48625-0.08ML	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
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P35968
Localization	Cytoplasmic and cell surface
Applications	Dot Blot : 1:500
Limitations	This phospho-KDR antibody is available for research use only.



Dot blot analysis of phospho-KDR antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

Description

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..

Application Notes

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

Immunogen

This phospho-KDR antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pY1175 of human KDR.

Storage

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