

Recombinant Human KDR Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. KDR-31716THAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant fragment: human soluble Vascular Endothelial Growth Factor Receptor 2 (sVEGFR2) was fused with the Fc part of human IgG1 and expressed in Insect cells. The recombinants VEGFR2/Fc is a disulfide-linked homodimeric protein, M.Wt of the monomer is
Species	Human
Source	Insect Cells
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 $\alpha V\beta 3$, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.
Form	Lyophilized
Purity	> 90 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines

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	Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Storage	Shipped at 4 centigrade. Upon delivery aliquot and store at -20 or -80 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS, pH 7.4
Reconstitution	PBS or medium to a concentration not lower than 50 µg/mL.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	KDR kinase insert domain receptor (a type III receptor tyrosine kinase) [Homo sapiens]
Official Symbol	KDR
Synonyms	KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); vascular endothelial growth factor receptor 2; CD309; FLK1; VEGFR; VEGFR2;
Gene ID	3791
mRNA Refseq	NM_002253
Protein Refseq	NP_002244
MIM	191306
UniProt ID	P35968

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