

Recombinant Human KDR Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. KDR-31716THAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 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 555 via amines

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With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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 555

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

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UniProt ID

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