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

Cat. No. KDR-236HAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant human KDR (Accession # AAC16450) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Form	Lyophilized
Bio-activity	Measured by its ability to inhibit the VEGF-dependent proliferation of HUVEC human umbilical vein endothelial cells. The ED50 for this effect is typically 10-40 ng/mL in the presence of 5 ng/mL rhVEGF165.
Molecular Mass	Recombinant Human KDR, Fc Chimera has a calculated MW of 110 kDa (monomer). In SDS-PAGE migrates as 160-170 kDa, reducing conditions.
N-terminal Sequence Analysis	Ala 20
Purity	> 90 % by SDS-PAGE and analyzed by silver stain
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be

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	efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Concentration	100 μg/mL
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
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; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor;
Gene ID	3791
mRNA Refseq	NM_002253

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Protein Refseq	NP_002244
MIM	191306
UniProt ID	P35968

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