Recombinant Mouse KDR Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. KDR-947MAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant mouse KDR (P35918-1) extracellular domain (Met 1-Glu 762) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	754
Form	Lyophilized
Molecular Mass	The recombinant mouse KDR consists of 754 amino acids and predicts a molecular mass of 84.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmKDR is approximately 100-110 kDa as a result of glycosylation.
N-terminal Sequence Analysis	Ala 20
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
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.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	Kdr kinase insert domain protein receptor [Mus musculus]
Official Symbol	KDR
Synonyms	KDR; kinase insert domain protein receptor; vascular endothelial growth factor receptor 2; kinase NYK; VEGF receptor-2; fetal liver kinase 1; protein-tyrosine kinase receptor flk-1; vascular endothelial growth factor receptor-2; vascular endothelial growt
Gene ID	16542
mRNA Refseq	NM_010612

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Protein Refseq	NP_034742

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