

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

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

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant mouse KDR (P35918-1) extracellular domain (Met 1-Glu 762) was expressed, with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	754
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence Analysis</b>	Ala 20
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	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 growth

**Gene ID**

[16542](#)

**mRNA Refseq**

[NM\\_010612](#)

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Protein Refseq

NP\_034742

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