

# Recombinant Mouse Kit Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Kit-4037MAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Alexa Fluor 647 conjugated recombinant Mouse Kit (NP_001116205.1) extracellular domain (Met 1-Thr 523), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 740                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | The secreted recombinant mouse KIT/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 82.5 kDa. As a result of glycosylation, the apparent molecular mass of rmKIT/Fc monomer is approximately 100-110 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                     |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                                                                                                                |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>          | 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.       |
| <b>Storage Buffer</b>   | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>      | Alexa Fluor 647                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | <a href="#">Kit kit oncogene [ Mus musculus ]</a>                                                                                                                         |
| <b>Official Symbol</b>  | <a href="#">Kit</a>                                                                                                                                                       |
| <b>Gene ID</b>          | <a href="#">16590</a>                                                                                                                                                     |
| <b>mRNA Refseq</b>      | <a href="#">NM_001122733</a>                                                                                                                                              |
| <b>Protein Refseq</b>   | <a href="#">NP_001116205</a>                                                                                                                                              |

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