

Active Recombinant Mouse Met Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. Met-730MAF555 Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Alexa Fluor 555 conjugated recombinant Mouse Metprotein was expressed in Murine myeloma cell line with the Fc part of MouseIgG2A Glu98-Lys330 (C-terminus) and Met1-Asn929 (N-terminus). |
| Species | Mouse |
| Source | Mammalian Cells |
| ProteinLength | 1-929 a.a. |
| Description | Met is aglycosylated receptor tyrosine kinase that plays a central role in epithelialmorphogenesis and cancer development. Met is synthesized as a single chainprecursor which undergoes cotranslational proteolytic cleavage. This generatesa mature Met that is a disulfide-linked dimer composed of a 50 kDaextracellular α chain and a 145 kDa transmembrane β chain. |
| Form | Lyophilized |
| Bio-activity | Measuredby its ability to bind recombinant mouse Met in a functional ELISA with anestimated KD < 0.2 nM. |
| Molecular Mass | 96 & 32 kDa; SDS-PAGE: 110-120 kDa & 40-43 kDa, reducing conditions. |
| N-terminal Sequence | Glu 25 & Ser 307 |

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| Analysis | |
| Endotoxin | < 1.0 EU/ µg of the protein by the LAL method. |
| Purity | > 95 % by SDS-PAGE under reducing conditions and visualized by silver stain. |
| Characteristic | <p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>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.</p> |
| Storage | Use a manualdefrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| Concentration | 200 µg/mL |
| Storage Buffer | Lyophilized from a 0.2 µm filtered solution in PBS. |
| Reconstitution | 200 µg/mL in PBS |
| Conjugation | Alexa Fluor 555 |

GENE INFORMATION

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| Gene Name | Met met proto-oncogene [Musmusculus] |
| Official Symbol | Met |

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| Synonyms | Met; metproto-oncogene; HGF; HGFR; Par4; c-Met; A1838057; hepatocyte growth factorreceptor; SF receptor; HGF receptor; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogenetyrosine kinase; EC 2.7.10.1; Met protein |
| Gene ID | 17295 |
| mRNA Refseq | NM_008591 |
| Protein Refseq | NP_032617 |
| UniProt ID | P16056 |

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