Active Recombinant Mouse Met Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. Met-730MAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 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	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Storage	Use a manualdefrost freezer and avoid repeated freeze-thaw cycles. 12 months from date ofreceipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditionsafter 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 488

GENE INFORMATION

Gene Name	Met met proto-oncogene [Musmusculus]
Official Symbol	Met
Synonyms	Met; metproto-oncogene; HGF; HGFR; Par4; c-Met; AI838057; hepatocyte growth

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	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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