Active Recombinant Canine MET Protein, His-tagged, FITC conjugated

Cat. No. MET-1037CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC conjugated recombinant extracellular domain of canine MET (NP_001002963.1) (Met 1-Leu 935) was expressed, with a polyhistidine tag at the N-terminus.
Species	Dog
Source	HEK293
ProteinLength	992
Form	Lyophilized
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized human HGF at 10 μg/mL (100 μL/well) can bind canine c-MET, The EC50 of canine c-MET is 7 ng/mL. 3. Immobilized canine MET-His at 10 μg/mL (100 μL/well) can bind biotinylated human HG
Molecular Mass	The recombinant canine c-Met is a disulfide-linked heterodimer composed of proteolytically cleaved α and β subunits. Each α and β subunit together consists of 922 amino acids and has a predicted molecular mass of 103 (α=33 + β=70) kDa. As a result of glycosylation, the apparent molecular mass of the canine c-Met is approximately 42-47 kDa and 85-95 kDa respectively in SDS-PAGE under reducing conditions.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

N-terminal Sequence Analysis	Glu 25
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
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	FITC

GENE INFORMATION

Gene Name	MET MET proto-oncogene, receptor tyrosine kinase [Canis lupus familiaris]
Official Symbol	MET

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	c-Met; HGF receptor; HGF/SF receptor; SF receptor; met proto-oncogene (hepatocyte growth factor receptor); met proto-oncogene tyrosine kinase; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met
Gene ID	403438
mRNA Refseq	NM_001002963
Protein Refseq	NP_001002963
UniProt ID	Q75ZY9

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA