antibodies

Datasheet for ABIN7275249 c-MET Protein (AA 25-932) (His-Avi Tag,Biotin)





Overview

Quantity:	100 µg
Target:	c-MET (MET)
Protein Characteristics:	AA 25-932
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-MET protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human HGF R/c-MET Protein
Sequence:	Glu25-Thr932
Characteristics:	Recombinant Biotinylated Human HGF R/c-MET Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Glu25-Thr932.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Biological Activity Comment:	Immobilized Anti-HGF R Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human HGF R, His Tag with the EC50 of 25.7ng/ml determined by ELISA. See testing image for detail.

Target Details

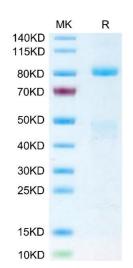
Target:

c-MET (MET)

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Target Details	
Alternative Name:	HGF R (MET Products)
Background:	C-Met, also called tyrosine-protein kinase Met or hepatocyte growth factor receptor (HGF R), is a protein that in humans is encoded by the MET gene. The protein possesses tyrosine kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1.
Molecular Weight:	32.5 kDa (α chain) and 72.1 kDa (β chain). Due to glycosylation, the protein migrates to 45-50 kDa and 80-90 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22um filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Images

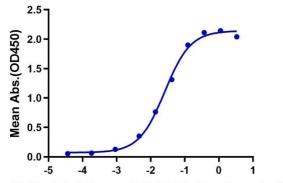


SDS-PAGE

ELISA

Image 1. Biotinylated Human HGF R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human HGF R, His Tag ELISA 0.05µg Anti-HGF R Antibody, hFc Tag Per Well



Log Biotinylated Human HGF R, His Tag Conc.(µg/ml)

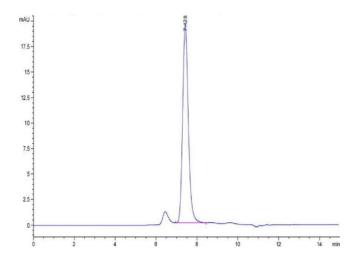


Image 2. Immobilized Anti-HGF R Antibody, hFc Tag at 0.5μ g/mL (100 μ L/Well) on the plate. Dose response curve for Biotinylated Human HGF R, His Tag with the EC50 of 25.7 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human HGF R is greater than 95 % as determined by SEC-HPLC.

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