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# Anti-HGFR / c-Met Reference Antibody (telisotuzumab vedotin)

Recombinant Antibody
Catalog # APR10106

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | P08581 |
| **Reactivity** | Human |
| **Clonality** | ADC |
| **Isotype** | IgG1 |
| **Calculated MW** | 155541 |

## Additional Information

| | |
|---|---|
| **Target/Specificity** | HGFR / c-Met |
| **Endotoxin Conjugation** | MMAE |
| **Expression system** | CHO |
| **Format** | Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column. |

## Protein Information

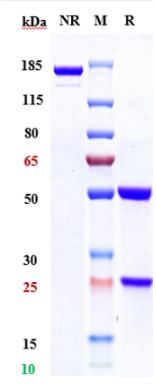
| | |
|---|---|
| **Name** | MET |
| **Function** | Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/HGF ligand. Regulates many physiological processes including proliferation, scattering, morphogenesis and survival. Ligand binding at the cell surface induces autophosphorylation of MET on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1. Recruitment of these downstream effectors by MET leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. The RAS-ERK activation is associated with the morphogenetic effects while PI3K/AKT coordinates prosurvival effects. During embryonic development, MET signaling plays a role in gastrulation, development and migration of neuronal precursors, angiogenesis and kidney formation. During skeletal muscle development, it is crucial for the migration of muscle progenitor cells and for the proliferation of secondary myoblasts (By similarity). In adults, participates in wound healing as well as organ regeneration and tissue remodeling. Also promotes differentiation and |

proliferation of hematopoietic cells. May regulate cortical bone osteogenesis (By similarity).

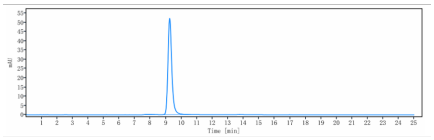
**Cellular Location** Membrane; Single-pass type I membrane protein.

**Tissue Location** Expressed in normal hepatocytes as well as in epithelial cells lining the stomach, the small and the large intestine Found also in basal keratinocytes of esophagus and skin. High levels are found in liver, gastrointestinal tract, thyroid and kidney. Also present in the brain. Expressed in metaphyseal bone (at protein level) (PubMed:26637977).

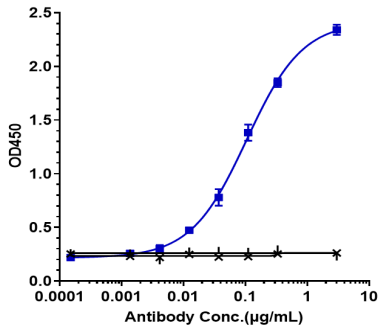
## Images



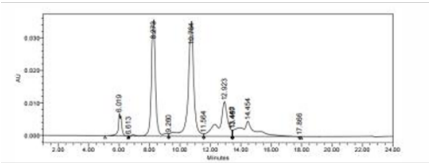

Anti-HGFR / c-Met Reference Antibody (Telisotuzumab vedotin) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-HGFR / c-Met Reference Antibody (Telisotuzumab vedotin) is more than 95%, determined by SEC-HPLC.

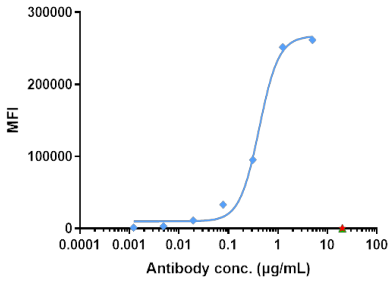



Immobilized human c-Met His at 2 ug/mL can bind Anti-HGFR / c-Met Reference Antibody (Telisotuzumab vedotin), EC50 is 0.105 ug/mL.



The drug-to-antibody ratio (DAR) of the Anti-HGFR / c-Met Reference Antibody (Telisotuzumab vedotin) is 4.16.

Human HGFR / c-Met HEK293 Cell Line were stained with Anti-HGFR / c-Met Reference Antibody (Telisotuzumab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS,The EC50 is 0.4181 μg/mL.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.