



Monoclonal Anti-human HGF R/c-MET Antibody

ORDERING INFORMATION

Catalog Number: MAB3583

Clone: 95308

Lot Number: ULD02

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human HGF R

Immunogen: NS0-derived rhHGF R

Ig class: mouse IgG₁

Recommended Application:
Immunohistochemistry

Background

Human hepatocyte growth factor receptor, (HGF R), a product of the proto-oncogene c-MET, is a heterodimeric transmembrane glycoprotein that is a receptor-type tyrosine kinase. HGF R is synthesized as a 1390 aa single-chain precursor which undergoes cotranslational glycosylation and proteolytic cleavage to give rise to the heterodimeric mature form. The 190 kDa HGF R heterodimer is composed of a 50 kDa α chain (aa 25 - 307) disulfide-linked to a 145 kDa β chain (aa 308 - 1390). The α chain is exposed to the cell surface and the β chain spans the plasma membrane.

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, NS0-derived, recombinant human HGF R extracellular domain (rhHGF R; aa 25 - 932; Accession # P08581). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.2 mL of PBS is used, the antibody concentration will be 500 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody detects human HGF R in direct ELISAs.

Application

Immunohistochemistry - This antibody was used at a concentration of 25 µg/mL with appropriate secondary reagents to detect rhHGFR in paraffin-embedded human epithelial and stromal cells of cancer tissue sections. For chromogenic detection of labeling, the use of R&D Systems Cell and Tissue Staining Kits (CTS Series) is recommended.

For immunohistochemistry images, please refer to our website at <http://www.RnDSystems.com/go/ihc>.

Optimal dilutions should be determined by each laboratory for each application.