



ORDERING INFORMATION

Catalog Number: AF1514

Lot Number: JHK01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human HGF A

Immunogen: NS0-derived rhHGF A
(aa 370 - 655)

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation
Immunohistochemistry

Anti-human HGF Activator Antibody

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Hepatocyte Growth Factor Activator (rhHGF A; aa 370 - 655). Human HGF A specific IgG was purified by human HGF A 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 1 mL of PBS is used, the antibody concentration will be 0.1 mg/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 has been selected for use in the applications listed below. In direct ELISAs and western blots, this antibody shows approximately 5% cross-reactivity with rmHGF A.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human HGF A. The detection limit for rhHGF A is approximately 0.1 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human HGF A. The detection limit for rhHGF A is approximately 5 ng/lane under non-reducing and reducing conditions.

Immunoprecipitation - This antibody has been used to immunoprecipitate rhHGF A from conditioned media of transfected NS0 cells. The recovered rhHGF A can be detected by western blot analysis using a monoclonal antibody (R&D Systems, Clone # 196817).

Immunohistochemistry - This antibody will detect HGF Activator in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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