



Product Information Sheet

Polyclonal Anti- Hepatocyte Growth Factor, *HGF (Magnetic Bead Conjugate)*

Catalogue No. PA1312-M

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human HGF, different from the mouse sequence by two amino acids.

Lot No. 08G01

Ig type rabbit IgG

Purity

Immunogen affinity purified.

Size 100µg/vial

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

ImmunoPrecipitation (IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Hepatocyte Growth Factor (HGF) is structurally similar, but not identical to scatter factor, a molecule shown to stimulate the dissociation and scattering of epithelial cells. It mapped to 7q21.1 and involved in liver regeneration. Human HGF has been purified approximately 209,000-fold with 18% yield from plasma of a patient with fulminant hepatic failure. It consists of 2 chains, heavy and light with molecular weights of 54,000-65,000 and 31,500-34,500, respectively.¹ HGF is a potent mitogen, morphogen and motogen to both endothelial and epithelial cell types and is linked to a tyrosine kinase, proto-oncogene, c-met receptor. It indicated that HGF may serve as a paracrine mediator to control placental development and growth.²

REFERENCE

1. Gohda, E.; Tsubouchi, H.; Nakayama, H.; Hirono, S.; Sakiyama, O.; Takahashi, K.; Miyazaki, H.; Hashimoto, S.; Daikuhara, Y. : Purification and partial characterization of hepatocyte growth factor from plasma of a patient with fulminant hepatic failure. J. Clin. Invest. 81: 414-419, 1988.
2. Kilby, M. D.; Afford, S.; Li, X. F.; Strain, A. J.; Ahmed, A.; Whittle, M. J. : Localisation of hepatocyte growth factor and its receptor (c-met) protein and mRNA in human term placenta. Growth Factors 13: 133-139, 1996.