

## Human Hepatocyte Growth Factor (HGF) ELISA Kit (2 plates)

**Catalogue No.:** BEK-2022-2P  
**Description:** For quantitative detection of human HGF in cell culture supernatants, serum, and citrate, or EDTA treated plasma samples only when used as directed

The human Hepatocyte Growth Factor (HGF) Kit is a sandwich ELISA. The capture antibody is a monoclonal anti-human HGF antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known HGF concentration are added to these wells and allowed to complex with the bound HGF antibody. A biotinylated anti-human HGF polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of HGF present in the samples. The purpose of this kit is the in-vitro quantitative determination of human HGF in samples such as sera, plasma, and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

Range: 125 pg/ml - 8,000 pg/ml; Sensitivity

**Batch No.:** See product labels  
**Antigen:** Standard is recombinant HGF alpha and beta protein produced in and purified from sf21 insect cell line systems. Immunogen sequence: amino acids 32-494 for alpha chain, and amino acids 495-728 for the beta chain of HGF  
**Sequence:** Immunogen sequence: amino acids 32-494 for alpha chain, and amino acids 495-728 for the beta chain of HGF  
**Other Names:** Scatter factor; Hepatopoeitin-A; SF;  
**Accession:** P14210 HGF\_HUMAN;  
**Specificity:** Human HGF  
**Storage:** Store at 2-8C  
**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.  
**Range:** 125 pg/mL - 8,000 pg/mL  
**Sensitivity:** < 5 pg/ml  
**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

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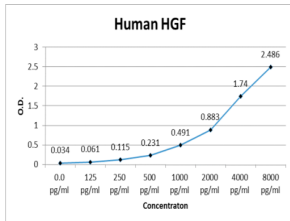
FOR RESEARCH USE ONLY

## Human Hepatocyte Growth Factor (HGF) ELISA Kit (2 plates)

IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml	2000 pg/ml	4000 pg/ml	8000 pg/ml
O.D.	0.034	0.061	0.115	0.231	0.491	0.883	1.740	2.486

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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