

Mouse Hepatocyte Growth Factor Activator (HGFAC) ELISA Kit | HGFAC elisa kit

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CATALOG #
AAA332423

REACTIVITY
Mouse

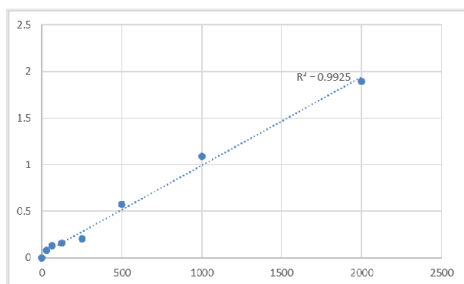
PRODUCT SYNONYMS

Hepatocyte Growth Factor Activator (HGFAC); Mouse Hepatocyte Growth Factor Activator (HGFAC) ELISA Kit; RP11-529E10.2; HGFA; MGC138395; MGC138397; HGFAC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Hepatocyte growth factor activator (HGFAC) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse HGFAC. No significant cross-reactivity or interference between Mouse HGFAC and analogues was observed.
Sequence Length	653
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Hepatocyte growth factor activator (HGFAC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for HGFAC elisa kit	Description: This Mouse Hepatocyte growth factor activator (HGFAC) ELISA Kit employs a two-site sandwich ELISA to quantitate HGFAC in samples. An antibody specific for HGFAC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HGFAC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HGFAC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HGFAC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: HGFAC belongs to peptidase family S1. It is first synthesized as an inactive single-chain precursor before being activated to a heterodimeric form by endoproteolytic processing. It acts as serine protease that converts hepatocyte growth factor to the active form. Miyazawa et al. (1993) determined the partial amino acid sequence of the homologous human serine protease and used it to design degenerate primers to screen a human liver cDNA library. They identified a 655-amino acid inactive precursor protein, designated hepatocyte growth factor activator (HGFAC), with a calculated molecular mass of 70,681 Da. They determined that the active protein purified from serum is derived from the C terminus of the precursor by proteolytic cleavage of the bonds between arg372-val373 and arg407-ile408.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188219651
NCBI GeneID	54426
NCBI Accession #	NP_062320.2
NCBI GenBank Nucleotide #	NP_062320.2
UniProt Accession #	Q9R098
NCBI Official Full Name	hepatocyte growth factor activator preproprotein
NCBI Official Synonym Full Names	hepatocyte growth factor activator
NCBI Official Symbol	Hgfac
NCBI Official Synonym Symbols	HGFA
NCBI Protein Information	hepatocyte growth factor activator
UniProt Protein Name	Hepatocyte growth factor activator
UniProt Gene Name	Hgfac
UniProt Synonym Gene Names	HGF activator; HGFA
UniProt Entry Name	HGFA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/hepatocyte-growth-factor-activator-hgfac/332423>