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Datasheet for ABIN6956494 HGF ELISA Kit

1 Image

9 Publications



Overview

Quantity:	96 tests
Target:	HGF
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HGF in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates.
Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Homogenate
Quantitative
Colorimetric
This assay has high sensitivity and excellent specificity for detection of Hepatocyte Growth Factor (HGF)
11.5 pg/mL
 Pre-coated, ready to use 96-well strip plate, flat buttom Plate sealer for 96 wells Reference Standard

• Standard Diluent

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- Detection Reagent A
- Detection Reagent B
- Assay Diluent A
- Assay Diluent B
- Reagent Diluent (if Detection Reagent is lyophilized)
- TMB Substrate
- Stop Solution
- Wash Buffer (30 x concentrate)
- Instruction manual

Target Details

Target:	HGF
Alternative Name:	Hepatocyte Growth Factor (HGF) (HGF Products)
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic
	Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Comment:	nent: Information on standard material:		
	The standard might be recombinant protein or natural protein, that will depend on the specific		
	kit. Moreover, the expression system is E.coli or yeast or mammal cell. There is 0.05% proclin		
	300 in the standard as preservative.		
	Information on reagents:		
	The stop solution used in the kit is sulfuric acid with concentration of 1 mol/L. And the wash		
	solution is TBS. The standard diluent contains 0.02 % sodium azide, assay diluent A and assay		
	diluent B contain 0.01% sodium azide. Some kits can contain is BSA in them.		
	Information on antibodies:		
	The provided antibodies and their host vary in different kits.		
Sample Volume:	100 µL		
Assay Time:	3 h		
Plate:	Pre-coated		
Protocol:	1. Prepare all reagents, samples and standards,		
	2. Add 100 μ L standard or sample to each well. Incubate 1 hours at 37 °C,		

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	 Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37 °C, Aspirate and wash 3 times, Add 100µL prepared Detection Reagent B. Incubate 30 minutes at 37 °C, Aspirate and wash 5 times, Add 90µL Substrate Solution. Incubate 10-20 minutes at 37 °C, Add 50µL Stop Solution. Read at 450nm immediately.
Reagent Preparation:	 Bring all kit components and samples to room temperature (18-25 °C) before use. If the kit will not be used up in one time, please only take out strips and reagents for present experiment, and leave the remaining strips and reagents in required condition. Standard - Reconstitute the Standard with 1.0 mL of Standard Diluent, keep for 10 minutes at room temperature, shake gently (not to foam). The concentration of the standard in the stock solution is 8,000pg/mL. Firstly dilute the stock solution to 2,000pg/mL and the diluted standard serves as the highest standard (2,000pg/mL). Then prepare 7 tubes containing 0.5 mL Standard Diluent and use the diluted standard to produce a double dilution series. Mix each tube thoroughly before the next transfer. Set up 7 points of diluted standard such as 2,000pg/mL, 1,000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, and the last microcentrifuge tube with Standard Diluent is the blank as 0pg/mL. Detection Reagent A and Detection Reagent B - If lyophilized reconstitute the Detection Reagent A with 150µL of Reagent Diluent, keep for 10 minutes at room temperature, shake gently (not to foam). Briefly spin or centrifuge the stock Detection A and Detection B before use. Dilute them to the working concentration 100-fold with Assay Diluent A and B, respectively. Wash Solution - Dilute 20 mL of Wash Solution concentrate (30x) with 580 mL of deionized or distilled water to prepare 600 mL of Wash Solution (1x). TMB substrate - Aspirate the needed dosage of the solution with sterilized tips and on ot durin the residual colution into the wial acain
	dump the residual solution into the vial again. Note:
	 Making serial dilution in the wells directly is not permitted. Prepare standards within 15 minutes before assay. Please do not dissolve the reagents at 37 °C directly. Please carefully reconstitute Standards or working Detection Reagent A and B according to the instruction, and avoid foaming and mix gently until the crystals are completely dissolved. To minimize imprecision caused by pipetting, use small volumes and ensure that pipettors are calibrated. It is recommended to suck more than 10µL for one pipetting. The reconstituted Standards, Detection Reagent A and Detection Reagent B can be used only once. If crystals have formed in the Wash Solution concentrate (30x), warm to room temperature
	and mix gently until the crystals are completely dissolved.

6. Contaminated water or container for reagent preparation will influence the detection result.

Sample Preparation:

• It is recommended to use fresh samples without long storage, otherwise protein degradation and denaturationmay occur in these samples, leading to false results. Samples should

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			Application Details
zen nry to , there is a ne values cular	 therefore be stored for a short period. 3 months). Repeated freeze-thawcycl samples should be slowly thawed and If the sample type is not specified in t determinecompatibility with the kit. If a lysis buffer is used to prepare tiss possibility of causing a deviation due t recommended dilution factor is for re Please estimate the concentration of are not in therange of the standard cu experiment has to be determined.Samples and the standard curves the standa	3 s • If d • If p re • P a	
gh level of	Assay Precision: Intra-assay Precision (Precision within a	ision: Intra	Assay Precision:
	target were tested 20 times on one plate	targ	
gh level of	Inter-assay Precision (Precision between	Inte	
	target were tested on 3 different plates,	targ	
	CV(%) = SD/meanX100	CV(
	Intra-Assay: CV < 10%	Intra	
	Inter-Assay: CV < 12%	Inte	
	Restrictions: For Research Use only	s: For	Restrictions:
	Handling		Handling
face, and	Precaution of Use: The Stop Solution suggested for use wit	of Use: The	Precaution of Use:
	clothing protection when using this mat	clot	
	Storage: 4 °C/-20 °C	4 °C	Storage:
d be store orage	Storage Comment: 1. For unopened kit: All reagents should Standard, Detection Reagent A, Detec at -20 °C upon receipt, while the other 2. For opened kits: the remaining reager conditions. In addition, please return t desiccant and seal the foil pouch with	S a 2. F c	Storage Comment:
		C	

Expiry Date:

6 months

Publications

Product cited in:

Oh, Choi, Noh, Lee, Jeong, Jeon, Shin, Kim, Kim, Lee, Kim, Kim, Song: "Interleukin-1 receptor

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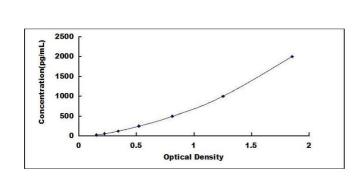
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Li, Chen, Wang, Lü, Huan, Fang, Han, Ge, Chen: "Changes in growth factor levels in the cerebrospinal fluid of autism patients after transplantation of human umbilical cord blood mononuclear cells and umbilical cord-derived mesenchymal stem cells." in: **Genetics and molecular research : GMR**, Vol. 15, Issue 2, (2016) (PubMed).

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There are more publications referencing this product on: Product page



ELISA

Image 1. Typical standard curve

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