

Human HDGF (Hepatoma Derived Growth Factor) ELISA Kit | HDGF elisa kit

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CATALOG #
AAA248973

REACTIVITY
Human

PRODUCT SYNONYMS

HDGF (Hepatoma Derived Growth Factor); Human HDGF (Hepatoma Derived Growth Factor) ELISA Kit; HDGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HDAC8. No significant cross-reactivity or interference between HDAC8 and analogues was observed.
Sequence Length	240
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HDAC8were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HDAC8were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a HDGF ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.07	0.099	0.156	0.234	0.434	0.881	1.406	2.257

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HDGF elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-HDAC8antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-HDAC8 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the HDAC8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of HDAC8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758516
NCBI GeneID	3068
NCBI Accession #	NP_004485.1
NCBI GenBank Nucleotide #	NM_004494.3
UniProt Accession #	P51858; Q5SZ07; Q5SZ08; Q5SZ09; B3KU21; D3DVC9
Molecular Weight	25,538 Da
NCBI Official Full Name	hepatoma-derived growth factor isoform a
NCBI Official Synonym Full Names	heparin binding growth factor
NCBI Official Symbol	HDGF
NCBI Official Synonym Symbols	HMG1L2
NCBI Protein Information	hepatoma-derived growth factor
UniProt Protein Name	Hepatoma-derived growth factor
UniProt Gene Name	HDGF
UniProt Synonym Gene Names	HMG1L2; HDGF; HMG-1L2

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/hdgf-hepatoma-derived-growth-factor/248973>