

Mouse Hedgehog Interacting Protein ELISA Kit | HHIP elisa kit

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CATALOG #
AAA100154

REACTIVITY
Mouse

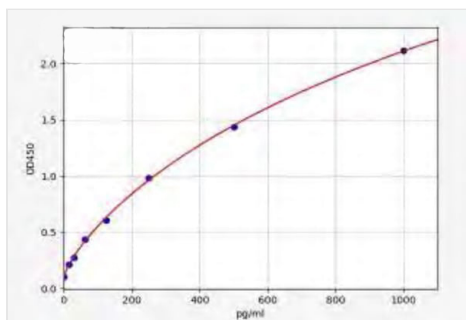
PRODUCT SYNONYMS

Hedgehog Interacting Protein; Mouse Hedgehog Interacting Protein ELISA Kit; HHIP/HIP/hedgehog-interacting protein; HHIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize HHIP, no obvious cross reaction with other analogues
Sequence Length	700
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HHIP elisa kit	Background: Hedgehog-interacting protein (HHIP) sequesters Hedgehog ligands to repress Smoothened (SMO)-mediated recruitment of the GLI family of transcription factors. HHIP deficiency dysregulated the expression of genes involved in cholinergic signaling in the MHB and disrupted the function of nicotinic acetylcholine receptors (nAChRs) through a PTCH-1/cholesterol-dependent mechanism. Diseases associated with HHIP include Acrocapitofemoral Dysplasia and Holoprosencephaly Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti HHIP antibody was pre-coated onto the 96-well plate. The biotin conjugated anti HHIP antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with HHIP conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of HHIP in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20143973
NCBI GeneID	64399
NCBI Accession #	NP_071920.1
NCBI GenBank Nucleotide #	NM_022475.2
Molecular Weight	36,373 Da
NCBI Official Full Name	hedgehog-interacting protein
NCBI Official Synonym Full Names	hedgehog interacting protein
NCBI Official Symbol	HHIP
NCBI Official Synonym Symbols	HIP
NCBI Protein Information	hedgehog-interacting protein
UniProt Protein Name	Hedgehog-interacting protein
UniProt Gene Name	HHIP
UniProt Synonym Gene Names	HIP; HHIP; HIP
UniProt Entry Name	HHIP_HUMAN

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://stage.aaabiotech.com/hhip-mouse-elisa-kits/hedgehog-interacting-protein/100154>