

Rat Sonic hedgehog protein ELISA Kit | Shh elisa kit

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CATALOG #
AAA100159

REACTIVITY
Rat

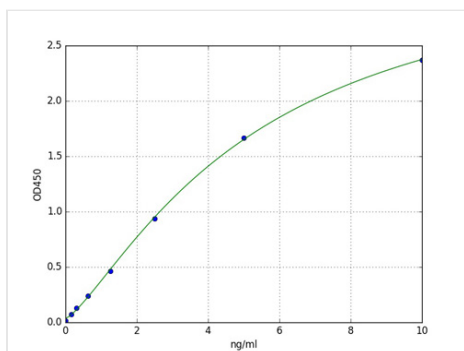
PRODUCT SYNONYMS

Sonic hedgehog protein; Rat Sonic hedgehog protein ELISA Kit; Shh/HHG1/HHG-1/HLP3/HPE3/SMMC Sonic hedgehog homolog (Drosophila); Shh elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	462
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Shh ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.004	0.108	0.226	0.357	0.825	1.110	1.636	2.145

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Shh elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Shh antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Shh 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 Rat Shh amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Shh can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4506939

NCBI GeneID	6469
NCBI Accession #	NP_000184.1
NCBI GenBank Nucleotide #	NM_000193.3
Molecular Weight	49,607 Da
NCBI Official Full Name	sonic hedgehog protein isoform 1 preproprotein
NCBI Official Synonym Full Names	sonic hedgehog
NCBI Official Symbol	SHH
NCBI Official Synonym Symbols	TPT; HHG1; HLP3; HPE3; SMMCI; TPTPS; MCOPCB5
NCBI Protein Information	sonic hedgehog protein
UniProt Protein Name	Sonic hedgehog protein
UniProt Gene Name	SHH
UniProt Synonym Gene Names	SHH
UniProt Entry Name	SHH_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/shh-rat-elisa-kits/sonic-hedgehog-protein/100159>