

Human Serine protease hepsin ELISA Kit | HPN elisa kit

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CATALOG #
AAA100580

REACTIVITY
Human

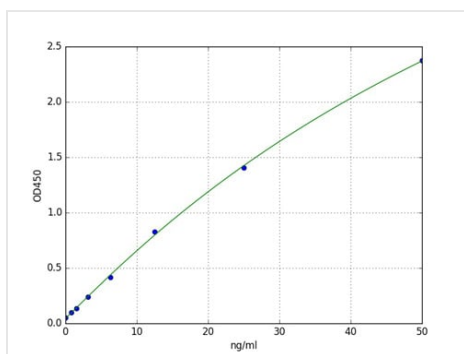
PRODUCT SYNONYMS

Serine protease hepsin; Human Serine protease hepsin ELISA Kit; HPN/TMPRSS1/hepsin/serine protease hepsin/serine protease hepsin catalytic chain/serine protease hepsin non-catalytic chain/Transmembrane protease serine 1/transmembrane protease; serine 1; HPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	417
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 Human HPN 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	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.049	0.097	0.133	0.240	0.422	0.811	1.572	2.278

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HPN elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	33695155
NCBI GeneID	3249
NCBI Accession #	NP_892028.1
NCBI GenBank Nucleotide #	NM_182983.2
Molecular Weight	45,011 Da
NCBI Official Full Name	serine protease hepsin
NCBI Official Synonym Full Names	hepsin
NCBI Official Symbol	HPN
NCBI Official Synonym Symbols	TMPRSS1
NCBI Protein Information	serine protease hepsin
UniProt Protein Name	Serine protease hepsin
UniProt Gene Name	HPN
UniProt Synonym Gene Names	TMPRSS1
UniProt Entry Name	HEPS_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/hpn-human-elisa-kits/serine-protease-hepsin/100580>