

Human Histatin 1 (HTN1) ELISA Kit | HTN1 elisa kit

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CATALOG #
AAA20567

REACTIVITY
Human

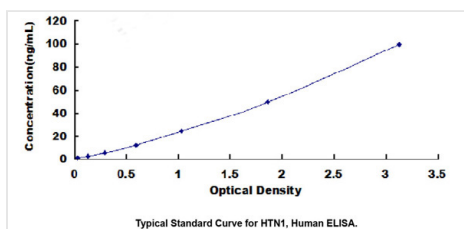
PRODUCT SYNONYMS

Histatin 1 (HTN1); Human Histatin 1 (HTN1) ELISA Kit; PPB; HIS1; Histidine-rich protein 1; Post-PB protein;; HTN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HTN1. No significant cross-reactivity or interference between HTN1 and analogues was observed.
Sequence Length	57
Assay Type	Quantitative Sandwich
Samples	Human saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.56ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HTN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HTN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HTN1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HTN1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HTN1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HTN1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HTN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HTN1 in human saliva, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for HTN1 elisa kit	Metabolic pathway
References	Presence of Histatin-1 in Human Tears and Association with Aqueous Deficient Dry Eye Diagnosis: A Preliminary Study; Sci Rep; 2019 Jul 16;9(1):10304.; PMID: 31311993; Sushma Kalmodia; Department of Ophthalmology and Visual Sciences, University of Illinois at Chicago, Chicago, USA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504529
NCBI GeneID	3346
NCBI Accession #	NP_002150.1
NCBI GenBank Nucleotide #	NM_002159.3
UniProt Accession #	P15515
Molecular Weight	6,963 Da
NCBI Official Full Name	histatin-1
NCBI Official Synonym Full Names	histatin 1
NCBI Official Symbol	HTN1
NCBI Official Synonym Symbols	HIS1
NCBI Protein Information	histatin-1
UniProt Protein Name	Histatin-1
UniProt Gene Name	HTN1
UniProt Synonym Gene Names	HIS1; PPB; His1 31/57; His1 12/38
UniProt Entry Name	HIS1_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.