

Human Histatin 3 (HTN3) ELISA Kit | HTN3 elisa kit

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CATALOG #
AAA136286

REACTIVITY
Human

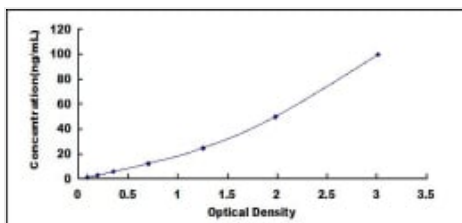
PRODUCT SYNONYMS

Histatin 3 (HTN3); Human Histatin 3 (HTN3) ELISA Kit; HIS2; HTN2; HTN5; Hst; PB; Histidine-rich protein 3; Basic histidine-rich protein; HTN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Histatin 3 (HTN3). No significant cross-reactivity or interference between Histatin 3 (HTN3) and analogues was observed.
Sequence Length	51
Assay Type	Double-antibody Sandwich
Samples	Saliva, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.63ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Histatin 3 (HTN3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Histatin 3 (HTN3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 HTN3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Histatin 3 (HTN3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Histatin 3 (HTN3). 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 Histatin 3 (HTN3), 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 Histatin 3 (HTN3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HTN3 elisa kit	Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	184058
NCBI GeneID	3347
UniProt Accession #	P15516; Q16243; Q502Z1
Molecular Weight	6,149 Da
NCBI Official Full Name	histatin 3
NCBI Official Synonym Full Names	histatin 3
NCBI Official Symbol	HTN3
NCBI Official Synonym Symbols	HIS2; HTN2; HTN5
NCBI Protein Information	histatin-3
UniProt Protein Name	Histatin-3
UniProt Gene Name	HTN3
UniProt Synonym Gene Names	HIS2; Hst; His3 20/44; His3 1/25; His3 20/43; His3 1/24; His3 20/32; His3 1/13; His3 20/31; His3 1/12; His3 20/30; His3 1/11; His3 24/32; His3 5/13; His3 24/31; His3 5/12; His3 24/30; His3 5/11; His3 25/32; His3 6/13; His3 25/30; His3 6/11; His3 26/32; Hi
UniProt Entry Name	HIS3_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/human-elisa-kits/histatin-3-htn3/136286>