

Human Huntingtin (HTT) ELISA Kit | HTT elisa kit

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CATALOG #
AAA17079

REACTIVITY
Human

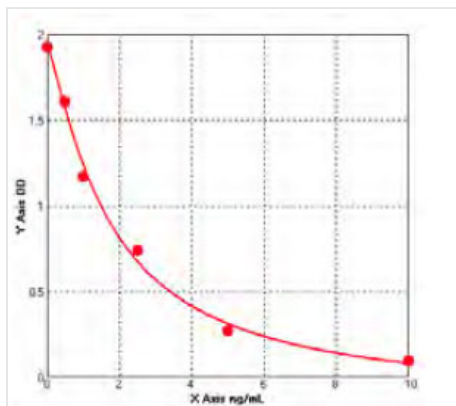
PRODUCT SYNONYMS

Huntingtin (HTT); Human Huntingtin (HTT) ELISA Kit; HTT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HTT. No significant cross-reactivity or interference between HTT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HTT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HTT elisa kit	Intended Uses: This HTT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanHTT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HTT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HTT antibody and an HTT-HRP conjugate. The assay sample and buffer are incubated together with HTT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HTT concentration since HTT from samples and HTT-HRP conjugate compete for the anti-HTT antibody binding site. Since the number of sites is limited, as more sites are occupied by HTT from the sample, fewer sites are left to bind HTT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HTT concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	90903231
NCBI GeneID	3064
NCBI Accession #	NP_002102.4
NCBI GenBank Nucleotide #	NM_002111.6
UniProt Accession #	P42858; Q9UQB7
Molecular Weight	347,603 Da
NCBI Official Full Name	huntingtin
NCBI Official Synonym Full Names	huntingtin
NCBI Official Symbol	HTT
NCBI Official Synonym Symbols	HD; IT15
NCBI Protein Information	huntingtin; huntington disease protein
UniProt Protein Name	Huntingtin
UniProt Gene Name	HTT
UniProt Synonym Gene Names	HD; IT15; HD protein
UniProt Entry Name	HD_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.