

Human Deoxyribonuclease I ELISA Kit | Dnase I elisa kit

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CATALOG #
AAA16496

REACTIVITY
Human

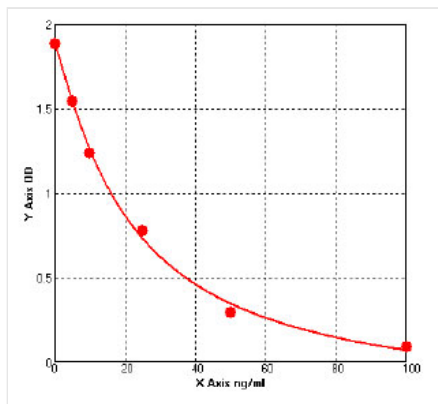
PRODUCT SYNONYMS

Deoxyribonuclease I; Human Deoxyribonuclease I ELISA Kit; Dnase I elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DNase I. No significant cross-reactivity or interference between DNase I and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DNase I and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Dnase I elisa kit	Principle of the Assay: DNase I ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DNase I antibody and an DNase I-HRP conjugate. The assay sample and buffer are incubated together with DNase I-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 DNase I concentration since DNase I from samples and DNase I-HRP conjugate compete for the anti-DNase I antibody binding site. Since the number of sites is limited, as more sites are occupied by DNase I from the sample, fewer sites are left to bind DNase I-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DNase I concentration in each sample is interpolated from this standard curve. Intended Uses: This DNase I ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DNase I. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Dnase I elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361254
NCBI GeneID	1773
NCBI Accession #	NP_005214.2
NCBI GenBank Nucleotide #	NM_005223.3
Molecular Weight	31,434 Da
NCBI Official Full Name	deoxyribonuclease-1
NCBI Official Synonym Full Names	deoxyribonuclease I
NCBI Official Symbol	DNASE1
NCBI Official Synonym Symbols	DNL1; DRNI
NCBI Protein Information	deoxyribonuclease-1; Dornase alfa; DNase I, lysosomal; human urine deoxyribonuclease I
UniProt Protein Name	Deoxyribonuclease-1
UniProt Gene Name	DNASE1
UniProt Synonym Gene Names	DNL1; DRNI; DNase I
UniProt Entry Name	DNAS1_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/dnase-i-human-elisa-kits/deoxyribonuclease-i/16496>