

Goat Deoxyribonuclease I ELISA Kit | Dnase I elisa kit

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CATALOG #
AAA91604

REACTIVITY
Goat

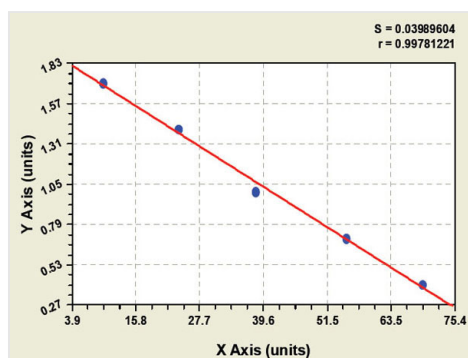
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 Dnase I elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This DNASE1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat DNASE1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY DNASE1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DNASE1 antibody and an DNASE1-HRP conjugate. The assay sample and buffer are incubated together with DNASE1-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 DNASE1 concentration since DNASE1 from samples and DNASE1-HRP conjugate compete for the anti-DNASE1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DNASE1 from the sample, fewer sites are left to bind DNASE1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DNASE1 concentration in each sample is interpolated from this standard curve.

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-goat-elisa-kits/deoxyribonuclease-i/91604>