

Rat Elastin (ELN) ELISA Kit | ELN elisa kit

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CATALOG #
AAA138727

REACTIVITY
Rat

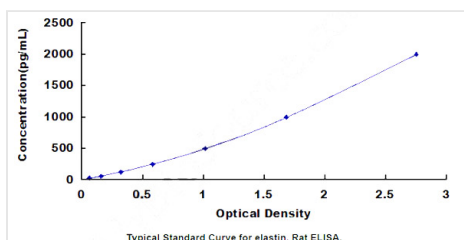
PRODUCT SYNONYMS

Elastin (ELN); Rat Elastin (ELN) ELISA Kit; WBS; WS; SVAS; Tropoelastin; Supravalvular Aortic Stenosis; Williams-Beuren Syndrome; ELN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of elastin. No significant cross-reactivity or interference between elastin and analogues was observed.
Sequence Length	705
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	13.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level elastin 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 elastin 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 ELN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of elastin in rat serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to elastin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to elastin. 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 elastin, 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 elastin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ELN elisa kit	Metabolic pathway; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	525313599
NCBI GeneID	2006
NCBI Accession #	NP_001265868.1
NCBI GenBank Nucleotide #	NM_001278939.1
UniProt Accession #	P15502; O15336; O15337; Q14233; Q14234; Q14235; Q14238; Q6P0L4; Q6ZWJ6; Q75MU5; Q7Z316; B3KTS6
Molecular Weight	60,980 Da
NCBI Official Full Name	elastin isoform m
NCBI Official Synonym Full Names	elastin
NCBI Official Symbol	ELN
NCBI Official Synonym Symbols	WS; WBS; SVAS
NCBI Protein Information	elastin
UniProt Protein Name	Elastin
UniProt Gene Name	ELN
UniProt Entry Name	ELN_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.