

Human Elastin (ELN) CLIA Kit | ELN clia kit

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CATALOG #
AAA151226

REACTIVITY
Human

PRODUCT SYNONYMS

Elastin (ELN); Human Elastin (ELN) CLIA Kit; ELN/Elastin; WBS; WS; SVAS; Tropoelastin; Supravalvular Aortic Stenosis; Williams-Beuren Syndrome; ELN clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.41-300ng/mL
Sensitivity	< 0.15ng/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	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for ELN clia kit	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. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the elastin level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of elastin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ELN clia 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	68,469 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; tropoelastin
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.

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Online datasheet: <https://www.aaabiotech.com/human-clia-kits/elastin-eln/151226>