

Human Leukocyte Elastase Inhibitor (LEI) ELISA Kit | LEI elisa kit

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CATALOG #
AAA186254

REACTIVITY
Human

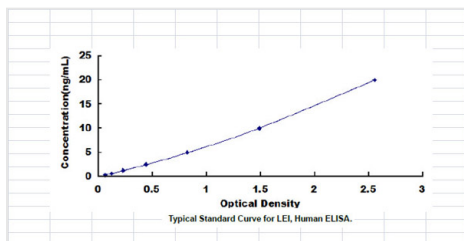
PRODUCT SYNONYMS

Leukocyte Elastase Inhibitor (LEI); Human Leukocyte Elastase Inhibitor (LEI) ELISA Kit; SERPINB1; EI; ELANH2; LEI; M/NEI; MNEI; PI2; Serpin Peptidase Inhibitor Clade B Member 1; Anti-Elastase; Monocyte/Neutrophil Elastase Inhibitor; LEI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LEI. No significant cross-reactivity or interference between LEI and analogues was observed.
Sequence Length	228
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LEI 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 LEI 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 LEI elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LEI in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LEI. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LEI. 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 LEI, 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 LEI in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13489087
NCBI GeneID	1992
NCBI Accession #	NP_109591.1
NCBI GenBank Nucleotide #	NM_030666.3
UniProt Accession #	P30740; Q53FB9; Q5W0E1; Q9UDF8; A8K5L2; B4DNT0
Molecular Weight	26,073 Da
NCBI Official Full Name	leukocyte elastase inhibitor
NCBI Official Synonym Full Names	serpin family B member 1
NCBI Official Symbol	SERPINB1
NCBI Official Synonym Symbols	EI; LEI; PI2; MNEI; PI-2; HEL57; M/NEI; ELANH2; HEL-S-27
NCBI Protein Information	leukocyte elastase inhibitor
UniProt Protein Name	Leukocyte elastase inhibitor
UniProt Gene Name	SERPINB1
UniProt Synonym Gene Names	ELANH2; MNEI; PI2; LEI; EI; M/NEI; PI-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leukocyte-elastase-inhibitor-lei/186254>