

Human Leukocyte elastase inhibitor (SERPINB1) ELISA Kit | SERPINB1 elisa kit

Human Leukocyte elastase inhibitor (SERPINB1) ELISA Kit

CATALOG #
AAA244533

REACTIVITY
Human

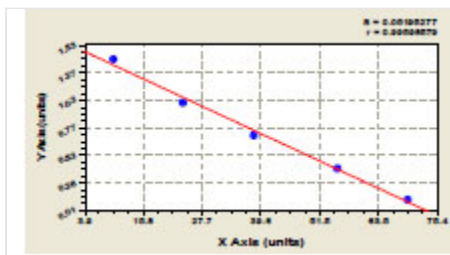
PRODUCT SYNONYMS

Leukocyte elastase inhibitor (SERPINB1); Human Leukocyte elastase inhibitor (SERPINB1) ELISA Kit; SERPINB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINB1 elisa kit

Intended Uses: This SERPINB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SERPINB1. This ELISA kit for research use only!

Principle of the Assay||SERPINB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SERPINB1 antibody and an SERPINB1-HRP conjugate. The assay sample and buffer are incubated together with SERPINB1-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 SERPINB1 concentration since SERPINB1 from samples and SERPINB1-HRP conjugate compete for the anti-SERPINB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SERPINB1 from the sample, fewer sites are left to bind SERPINB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SERPINB1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SERPINB1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489087
NCBI GeneID	1992
NCBI Accession #	NP_109591.1
NCBI GenBank Nucleotide #	NM_030666.3
Molecular Weight	42,742 Da
NCBI Official Full Name	leukocyte elastase inhibitor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 1
NCBI Official Symbol	SERPINB1
NCBI Official Synonym Symbols	EI; LEI; PI2; MNEI; PI-2; HEL57; M/NEI; ELANH2
NCBI Protein Information	leukocyte elastase inhibitor; peptidase inhibitor 2; epididymis luminal protein 57; protease inhibitor 2 (anti-elastase), monocyte/neutrophil derived; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1
UniProt Protein Name	Leukocyte elastase inhibitor
UniProt Gene Name	SERPINB1
UniProt Synonym Gene Names	ELANH2; MNEI; PI2; LEI; EI; M/NEI; PI-2
UniProt Entry Name	ILEU_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.

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-serpinb1/244533>