

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

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CATALOG #
AAA27326

REACTIVITY
Mouse

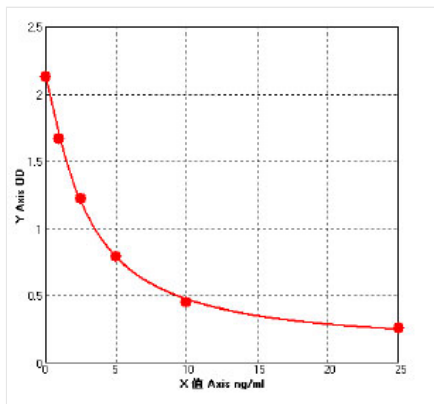
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SERPINB1. No significant cross-reactivity or interference between SERPINB1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 SERPINB1 elisa kit	Intended Uses: This SERPINB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SERPINB1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SERPINB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/leukocyte-elastase-inhibitor-serpinb1/27326>