

Human Serpin B8 (SERPINB8) ELISA Kit | SERPINB8 elisa kit

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CATALOG #
AAA190344

REACTIVITY
Human

PRODUCT SYNONYMS

Serpin B8 (SERPINB8); Human Serpin B8 (SERPINB8) ELISA Kit; CAP2; PI8; cytoplasmic antiproteinase 2; protease inhibitor 8 (ovalbumin type); serine (or cysteine) proteinase inhibitor; clade B (ovalbumin); member 8; SERPINB8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human SERPINB8. No significant cross-reactivity or interference between Human SERPINB8 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	31.25 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C

ADDITIONAL INFORMATION

Related Product Information for SERPINB8 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate SERPINB8 in Human serum, plasma, tissue homogenates. An antibody specific for SERPINB8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SERPINB8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINB8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SERPINB8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Serpin B8 (SERPINB8) concentration in serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73623033
NCBI GeneID	5271
NCBI Accession #	NP_001027018.1
NCBI GenBank Nucleotide #	NM_001031848.1
UniProt Accession #	P50452; Q7Z2V6; Q8N178

Molecular Weight	374
NCBI Official Full Name	serpin B8 isoform b
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 8
NCBI Official Symbol	SERPINB8
NCBI Official Synonym Symbols	PI8; CAP2
NCBI Protein Information	serpin B8; PI-8; peptidase inhibitor 8; cytoplasmic antiproteinase 2; protease inhibitor 8 (ovalbumin type); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8
UniProt Protein Name	Serpin B8
UniProt Gene Name	SERPINB8
UniProt Synonym Gene Names	PI8; CAP-2; CAP2; PI-8
UniProt Entry Name	SPB8_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-elisa-kits/serpin-b8-serpinb8/190344>