

Human Lactoperoxidase ELISA Kit | LPO elisa kit

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CATALOG #
AAA193073

REACTIVITY
Human

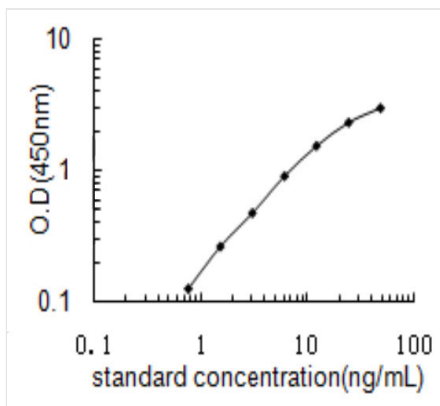
PRODUCT SYNONYMS

Lactoperoxidase; Human Lactoperoxidase ELISA Kit; LPO; Salivary peroxidase; SPO; SAPX; 1.11.1.7; LPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Recombinant and natural Human Lactoperoxidase,LPO
Sequence Length	629
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.78-50 ng/mL
Sensitivity	< 0.34 ng/mL
Intra-assay Precision	<=4.7%
Inter-assay Precision	<=6.3%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPO elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	231569458
NCBI GeneID	4025
NCBI Accession #	NP_001153574.1
NCBI GenBank Nucleotide #	NM_001160102.1
UniProt Accession #	P22079; Q13408; Q3KNQ2; A5JUY4; E7EMJ3
Molecular Weight	70,984 Da
NCBI Official Full Name	lactoperoxidase isoform 3 preproprotein
NCBI Official Synonym Full Names	lactoperoxidase
NCBI Official Symbol	LPO
NCBI Official Synonym Symbols	SPO
NCBI Protein Information	lactoperoxidase
UniProt Protein Name	Lactoperoxidase
UniProt Gene Name	LPO
UniProt Synonym Gene Names	SAPX; LPO; SPO
UniProt Entry Name	PERL_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/lpo-human-elisa-kits/lactoperoxidase/193073>