

Sheep Endothelial lipase ELISA Kit | EL elisa kit

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CATALOG #
AAA92652

REACTIVITY
Sheep

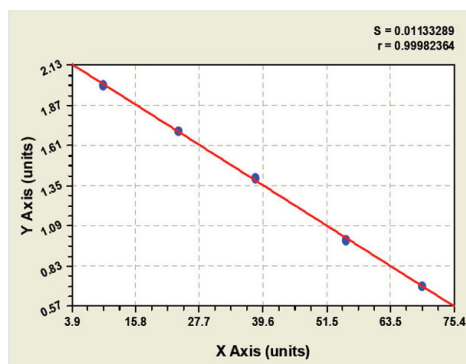
PRODUCT SYNONYMS

Endothelial lipase; Sheep Endothelial lipase ELISA Kit; EL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This EL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep EL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EL elisa kit

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

Product Categories/Family for EL elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174497
NCBI GeneID	9388
NCBI Accession #	NP_006024.1
NCBI GenBank Nucleotide #	NM_006033.2
Molecular Weight	39,362 Da
NCBI Official Full Name	endothelial lipase
NCBI Official Synonym Full Names	lipase, endothelial
NCBI Official Symbol	LIPG
NCBI Official Synonym Symbols	EL; EDL; PRO719
NCBI Protein Information	endothelial lipase; lipoprotein lipase H; endothelial cell-derived lipase
UniProt Protein Name	Endothelial lipase
UniProt Gene Name	LIPG
UniProt Synonym Gene Names	UNQ387/PRO719; EDL; EL
UniProt Entry Name	LIPE_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/el-sheep-elisa-kits/endothelial-lipase/92652>