

Guinea Pig Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 (PLOD1) ELISA Kit | PLOD1 elisa kit

Guinea pig Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 (PLOD1) ELISA Kit

CATALOG # AAA27188	REACTIVITY Guinea Pig
------------------------------	---------------------------------

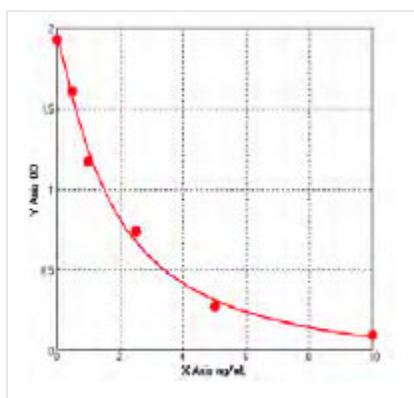
PRODUCT SYNONYMS

Procollagen-lysine; 2-oxoglutarate 5-dioxygenase 1 (PLOD1); Guinea pig Procollagen-lysine; 2-oxoglutarate 5-dioxygenase 1 (PLOD1) ELISA Kit; PLOD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
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 PLOD1 elisa kit

Intended Uses: This PLOD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PLOD1. This ELISA kit for research use only!

Principle of the Assay: PLOD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PLOD1 antibody and an PLOD1-HRP conjugate. The assay sample and buffer are incubated together with PLOD1-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 PLOD1 concentration since PLOD1 from samples and PLOD1-HRP conjugate compete for the anti-PLOD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PLOD1 from the sample, fewer sites are left to bind PLOD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLOD1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307144
NCBI GeneID	5351
NCBI Accession #	NP_000293.2
NCBI GenBank Nucleotide #	NM_000302.3
Molecular Weight	83,550 Da
NCBI Official Full Name	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1
NCBI Official Synonym Full Names	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1
NCBI Official Symbol	PLOD1
NCBI Official Synonym Symbols	LH; LH1; LLH; EDS6; PLOD
NCBI Protein Information	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1; lysine hydroxylase; lysyl hydroxylase 1; procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1
UniProt Gene Name	PLOD1
UniProt Synonym Gene Names	LLH; PLOD; LH1
UniProt Entry Name	PLOD1_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/guinea-pig-pig-elisa-kits/procollagen-lysine-2-oxoglutarate-5-dioxygenase-1-plod1/27188>