

Human Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2) ELISA Kit | PLOD2 elisa kit

Human Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2) ELISA Kit

CATALOG #
AAA68444

REACTIVITY
Human

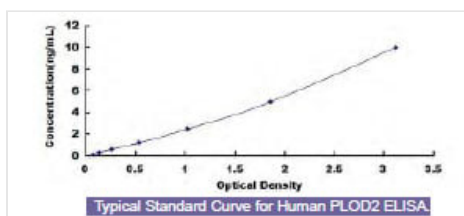
PRODUCT SYNONYMS

Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2); Human Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2) ELISA Kit; TLH; LH2; Telopeptide Lysyl Hydroxylase; Lysyl hydroxylase 2; PLOD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLOD2. No significant cross-reactivity or interference between PLOD2 and analogues was observed.
Sequence Length	737
Samples	Serum, plasma, tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLOD2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PLOD2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLOD2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PLOD2 in human serum, plasma, tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLOD2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLOD2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PLOD2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PLOD2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739166
NCBI GeneID	5352
NCBI Accession #	NP_000926.2
NCBI GenBank Nucleotide #	NM_000935.2
UniProt Accession #	O00469; Q59ED2; Q8N170; B3KWS3
Molecular Weight	49,142 Da
NCBI Official Full Name	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 isoform 2
NCBI Official Synonym Full Names	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
NCBI Official Symbol	PLOD2
NCBI Official Synonym Symbols	LH2; TLH; BRKS2
NCBI Protein Information	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
UniProt Gene Name	PLOD2
UniProt Synonym Gene Names	LH2

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/human-elisa-kits/procollagen-lysine-2-oxoglutarate-5-dioxygenase-2-plod2/68444>