

Human Procollagen-Lysine, 2-Oxoglutarate 5-Dioxygenase 3 (PLOD3) ELISA Kit | PLOD3 elisa kit

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CATALOG #
AAA331964

REACTIVITY
Human

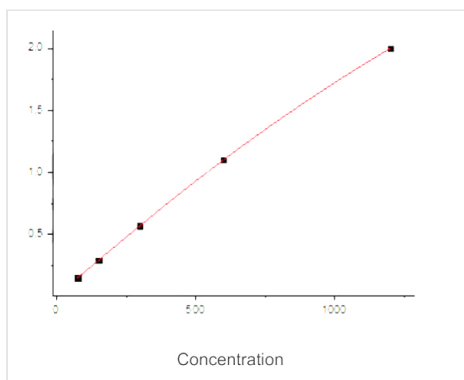
PRODUCT SYNONYMS

Procollagen-Lysine; 2-Oxoglutarate 5-Dioxygenase 3 (PLOD3); Human Procollagen-Lysine; 2-Oxoglutarate 5-Dioxygenase 3 (PLOD3) ELISA Kit; PLOD3; LH3; lysine hydroxylase 3; lysyl hydroxylase 3; PLOD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 (PLOD3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PLOD3. No significant cross-reactivity or interference between Human PLOD3 and analogues was observed.
Sequence Length	738
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	75 ng/L - 1200 ng/L
Sensitivity	< 5ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLOD3 elisa kit	Background: PLOD3 (Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 3) is a Protein Coding gene. Diseases associated with PLOD3 include Bone Fragility With Contractures, Arterial Rupture, And Deafness and Ehlers-Danlos Syndrome. Among its related pathways are Collagen chain trimerization and VEGFA-VEGFR2 signaling pathway. Principle of the Assay: Human Procollagen-Lysine, 2-Oxoglutarate 5-Dioxygenase 3 (PLOD3) ELISA Kit employs a two-site sandwich ELISA to quantitate PLOD3 in samples. An antibody specific for PLOD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLOD3 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PLOD3 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PLOD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6093731
NCBI GeneID	8985
UniProt Accession #	O60568
NCBI Official Full Name	Multifunctional procollagen lysine hydroxylase and glycosyltransferase LH3
NCBI Official Synonym Full Names	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
NCBI Official Symbol	PLOD3
NCBI Official Synonym Symbols	LH3
NCBI Protein Information	multifunctional procollagen lysine hydroxylase and glycosyltransferase LH3
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
UniProt Gene Name	PLOD3
UniProt Synonym Gene Names	LH3
UniProt Entry Name	PLOD3_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.