

Human DNA ligase 4 (LIG4) ELISA Kit | LIG4 elisa kit

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CATALOG # AAA190306	REACTIVITY Human
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PRODUCT SYNONYMS

DNA ligase 4 (LIG4); Human DNA ligase 4 (LIG4) ELISA Kit; DNA joinase; DNA ligase (ATP) 4; DNA repair enzyme; polydeoxyribonucleotide synthase [ATP] 4; polynucleotide ligase; sealase; LIG4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ICTP. No significant cross-reactivity or interference between Human ICTP and analogues was observed.
Sequence Length	911
Samples	Serum, Plasma, Tissue Homogenates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	25 ng/mL-600 ng/mL
Sensitivity	20 ng/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for LIG4 elisa kit	Intended Uses: For the quantitative detection of Human C-telopeptide of type I collagen (ICTP) concentration in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitative ICTP in Human serum, plasma. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ICTP. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated ICTP antibody. Following a wash to remove any unbound HRP-Conjugate reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ICTP 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 #	148539894
NCBI GeneID	3981
NCBI Accession #	NP_001091738.1
NCBI GenBank Nucleotide #	NM_001098268.1
UniProt Accession #	P49917; Q8IY66; Q8TEU5

Molecular Weight	103,971 Da
NCBI Official Full Name	DNA ligase 4 isoform 1
NCBI Official Synonym Full Names	DNA ligase 4
NCBI Official Symbol	LIG4
NCBI Official Synonym Symbols	LIG4S
NCBI Protein Information	DNA ligase 4
UniProt Protein Name	DNA ligase 4
UniProt Gene Name	LIG4

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://www.aaabiotech.com/human-elisa-kits/dna-ligase-4-lig4/190306>