

Human DNA ligase 3 ELISA Kit | LIG3 elisa kit

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CATALOG #
AAA100082

REACTIVITY
Human

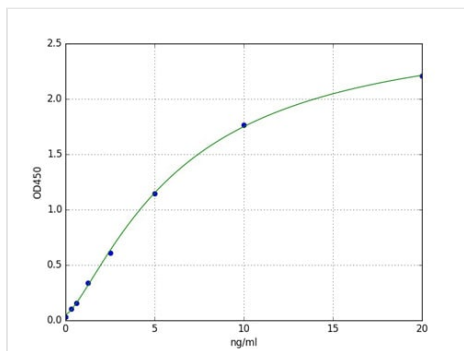
PRODUCT SYNONYMS

DNA ligase 3; Human DNA ligase 3 ELISA Kit; LIG3/DNA ligase 3/DNA ligase III/Polydeoxyribonucleotide synthase [ATP] 3; LIG3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	949
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human LIG3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.065	0.153	0.222	0.359	0.657	1.156	1.958	2.632

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIG3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human LIG3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human LIG3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human LIG3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human LIG3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

73747844

NCBI GeneID	3980
NCBI Accession #	NP_002302.2
NCBI GenBank Nucleotide #	NM_002311.4
Molecular Weight	95,802 Da
NCBI Official Full Name	DNA ligase 3 isoform beta
NCBI Official Synonym Full Names	ligase III, DNA, ATP-dependent
NCBI Official Symbol	LIG3
NCBI Official Synonym Symbols	LIG2
NCBI Protein Information	DNA ligase 3
UniProt Protein Name	DNA ligase 3
UniProt Gene Name	LIG3
UniProt Entry Name	DNLI3_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://www.aaabiotech.com/lig3-human-elisa-kits/dna-ligase-3/100082>