

Rat DNA ligase 1 ELISA Kit | Lig1 elisa kit

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CATALOG #
AAA100879

REACTIVITY
Rat

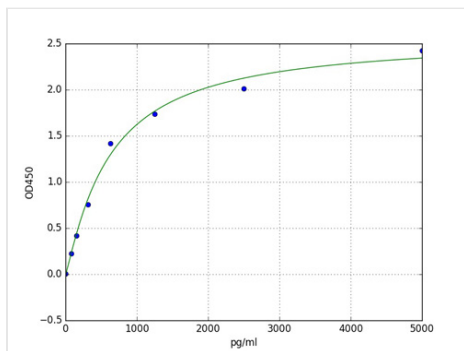
PRODUCT SYNONYMS

DNA ligase 1; Rat DNA ligase 1 ELISA Kit; Lig1/Polydeoxyribonucleotide synthase [ATP] 1; Lig1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	790
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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



Results of a typical standard run of a Rat Lig1 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	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.040	0.398	0.644	1.031	1.448	1.938	2.084	2.818

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Lig1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Lig1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Lig1 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. HRP-Streptavidin 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 Rat Lig1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Lig1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

30680522

NCBI GeneID	837333
NCBI Accession #	NP_172293.2
NCBI GenBank Nucleotide #	NM_100689.4
Molecular Weight	81,167 Da
NCBI Official Full Name	DNA ligase 1
NCBI Official Symbol	LIG1
NCBI Official Synonym Symbols	ATLIG1; DNA ligase 1; LIG1; T6D22.23
NCBI Protein Information	DNA ligase 1
UniProt Protein Name	DNA ligase 1
UniProt Gene Name	LIG1
UniProt Synonym Gene Names	AtLIG1
UniProt Entry Name	DNL11_ARATH

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/lig1-rat-elisa-kits/dna-ligase-1/100879>