

## Human DNA ligase 1 ELISA Kit | LIG1 elisa kit

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CATALOG #  
**AAA193345**

REACTIVITY  
**Human**

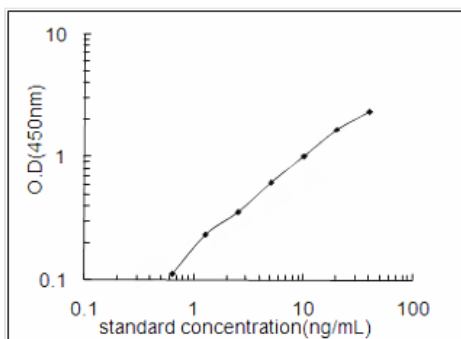
### PRODUCT SYNONYMS

DNA ligase 1; Human DNA ligase 1 ELISA Kit; DNA ligase I; Polydeoxyribonucleotide synthase [ATP] 1; LIG1; 6.5.1.1; LIG1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                  |
| Sequence Length         | 919                                                                                    |
| Samples                 | Serum, Plasma, Tissue Homogenates, Cell Culture Supernates Or Other Biological Fluids. |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for LIG1 elisa kit

**Intended Uses:** This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

### NCBI AND UNIPROT INFORMATION

|                  |             |
|------------------|-------------|
| NCBI GI #        | 4557719     |
| NCBI GeneID      | 3978        |
| NCBI Accession # | NP_000225.1 |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GenBank Nucleotide #        | NM_000234.2                            |
| UniProt Accession #              | P18858; Q2TB12; Q32P23; B2RAI8; B4DTU4 |
| Molecular Weight                 | 98,228 Da                              |
| NCBI Official Full Name          | DNA ligase 1 isoform 1                 |
| NCBI Official Synonym Full Names | ligase I, DNA, ATP-dependent           |
| NCBI Official Symbol             | LIG1                                   |
| NCBI Protein Information         | DNA ligase 1                           |
| UniProt Protein Name             | DNA ligase 1                           |
| UniProt Gene Name                | LIG1                                   |
| UniProt Entry Name               | DNLI1_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/lig1-human-elisa-kits/dna-ligase-1/193345>