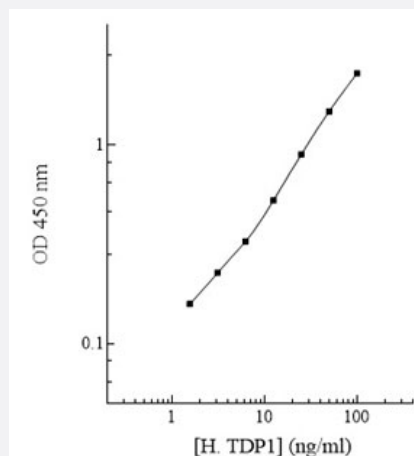


TDP1 (Human) ELISA Kit

Catalog # KA6122 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

| | |
|--------------------------------|---|
| Product Description | TDP1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detection of human TDP1 in Serum, Plasma and Cell Culture. |
| Suitable Sample | Serum, Plasma, Cell Culture |
| Sample Volume | 50 μ L |
| Label | Peroxidase-conjugated |
| Detection Method | Colorimetric |
| Assay Type | Quantitative |
| Calibration Range | 1.563 to 100 ng/mL |
| Reactivity | Human |
| Regulatory Status | For research use only (RUO) |
| Quality Control Testing | Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed. |

Storage Instruction

Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — TDP1

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|---------------|-----------------------|
| Entrez GeneID | 55775 |
|---------------|-----------------------|

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|--------------------|------------------------|
| Protein Accession# | Q9NUW8 |
|--------------------|------------------------|

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|-----------|------|
| Gene Name | TDP1 |
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| Gene Alias | FLJ11090, MGC104252 |
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| Gene Description | tyrosyl-DNA phosphodiesterase 1 |
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|---------|---|
| Omim ID | 607198 607250 |
|---------|---|

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|---------------|---------------------------|
| Gene Ontology | Hyperlink |
|---------------|---------------------------|

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|--------------|---|
| Gene Summary | <p>The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same isoform. [provided by RefSeq]</p> |
|--------------|---|

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|--------------------|---|
| Other Designations | - |
|--------------------|---|

Disease

- [Breast cancer](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)

- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Werner syndrome](#)