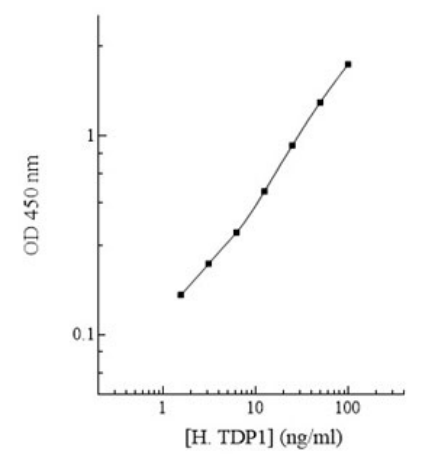
TDP1 (Human) ELISA Kit

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 detecti on of human TDP1 in Serum, Plasma and Cell Culture.
Suitable Sample	Serum, Plasma, Cell Culture
Sample Volume	50 uL
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 unknown s. A standard curve should be generated each time the assay is performed.

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

Applications

- Quantification

Gene Info — TDP1

Entrez GeneID	55775
Protein Accession#	Q9NUW8
Gene Name	TDP1
Gene Alias	FLJ11090, MGC104252
Gene Description	tyrosyl-DNA phosphodiesterase 1
Omim ID	607198 607250
Gene Ontology	Hyperlink
Gene Summary	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 natures 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
Other Designations	-

Disease

- Breast cancer
- Colorectal Neoplasms
- Disease Progression
- Genetic Predisposition to Disease

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- Meningeal Neoplasms
- Meningioma
- Neoplasms
- Neutropenia
- Werner syndrome

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