

Mouse DNA topoisomerase 2-alpha (TOP2A) ELISA Kit | TOP2A elisa kit

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CATALOG #
AAA246361

REACTIVITY
Mouse

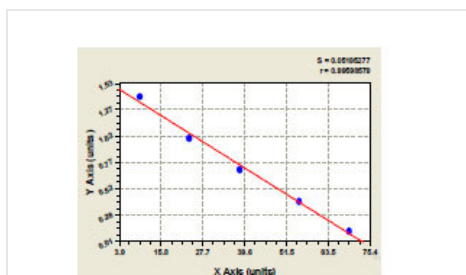
PRODUCT SYNONYMS

DNA topoisomerase 2-alpha (TOP2A); Mouse DNA topoisomerase 2-alpha (TOP2A) ELISA Kit; TOP2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TOP2A elisa kit

Intended Uses: This TOP2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TOP2A. This ELISA kit for research use only!

Principle of the Assay: TOP2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TOP2A antibody and an TOP2A-HRP conjugate. The assay sample and buffer are incubated together with TOP2A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TOP2A concentration since TOP2A from samples and TOP2A-HRP conjugate compete for the anti-TOP2A antibody binding site. Since the number of sites is limited, as more sites are occupied by TOP2A from the sample, fewer sites are left to bind TOP2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TOP2A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TOP2A elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913406
NCBI GeneID	7153
NCBI Accession #	NP_001058.2
NCBI GenBank Nucleotide #	NM_001067.3
Molecular Weight	182,681 Da
NCBI Official Full Name	DNA topoisomerase 2-alpha
NCBI Official Synonym Full Names	topoisomerase (DNA) II alpha 170kDa
NCBI Official Symbol	TOP2A
NCBI Official Synonym Symbols	TOP2; TP2A
NCBI Protein Information	DNA topoisomerase 2-alpha; DNA gyrase; DNA topoisomerase II, 170 kD; DNA topoisomerase (ATP-hydrolyzing); DNA topoisomerase II, alpha isozyme
UniProt Protein Name	DNA topoisomerase 2-alpha
UniProt Gene Name	TOP2A
UniProt Synonym Gene Names	TOP2
UniProt Entry Name	TOP2A_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/mouse-elisa-kits/dna-topoisomerase-2-alpha-top2a/246361>