

Human Topoisomerase III (TOP3) ELISA Kit | TOP3 elisa kit

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CATALOG #
AAA66856

REACTIVITY
Human

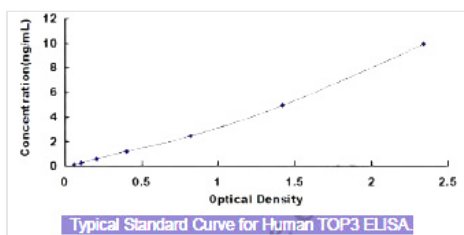
PRODUCT SYNONYMS

Topoisomerase III (TOP3); Human Topoisomerase III (TOP3) ELISA Kit; TOP3A; DNA topoisomerase III alpha; TOP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TOP3. No significant cross-reactivity or interference between TOP3 and analogues was observed.
Sequence Length	906
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TOP3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TOP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TOP3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TOP3 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TOP3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TOP3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TOP3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TOP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1002819406
NCBI GeneID	7156
NCBI Accession #	NP_001307688.1
NCBI GenBank Nucleotide #	NM_001320759.1
UniProt Accession #	Q13472; Q13473; A8KA61; B4DK80; D3DXC7
Molecular Weight	101,208 Da
NCBI Official Full Name	DNA topoisomerase 3-alpha isoform 2
NCBI Official Synonym Full Names	topoisomerase (DNA) III alpha
NCBI Official Symbol	TOP3A
NCBI Official Synonym Symbols	TOP3; ZGRF7
NCBI Protein Information	DNA topoisomerase 3-alpha
UniProt Protein Name	DNA topoisomerase 3-alpha
UniProt Gene Name	TOP3A
UniProt Synonym Gene Names	TOP3

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.