TOP2A (Human) Cell-Based ELISA Kit

Catalog # KA3531 Size 1 Kit

Specification

Product Description	TOP2A (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative det ermination of TOP2A expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — TOP2A

Entrez GeneID	7153
Gene Name	TOP2A
Gene Alias	TOP2, TP2A
Gene Description	topoisomerase (DNA) II alpha 170kDa
Omim ID	126430

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Gene Ontology	Hyperlink
Gene Summary	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state s of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA tran scription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Tw o forms of this enzyme exist as likely products of a gene duplication event. The gene encoding thi s form, alpha, is localized to chromsome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced a ctivity of this enzyme may also play a role in ataxia-telangiectasia. [provided by RefSeq
Other Designations	DNA topoisomerase II, 170 kD|DNA topoisomerase II, alpha isozyme|topoisomerase (DNA) II alp ha (170kD)

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Leukemia
- Lymphatic Metastasis
- Lymphoma
- Recurrence
- Stomach Neoplasms

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