

Product datasheet for **AM26595AF-N**

Topoisomerase II alpha (TOP2A) (C-term) Mouse Monoclonal Antibody [Clone ID: 1C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Western blot: 0.1-0.5 µg/ml for chemiluminescence detection system. Immunoprecipitation: 1-10 µg/200-300 µg/ml of cell extract. Immunohistochemistry on paraffin sections: Heat treatment is necessary; Microwave oven; 2 times for 10 minutes each in 10 mM citrate buffer (pH 6.5). Immunocytochemistry: 1-10 µg/ml. Flow cytometry: 0.1-1 µg/ml (final concentration).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human Topoisomerase II alpha protein corresponding to C-terminal 182 aa
Specificity:	This antibody detects 170 kDa of human Topo II alpha on Western blot with total cell lysate from human cell lines.
Formulation:	PBS containing 50 % glycerol, pH 7.2. No preservative is contained. State: Azide Free State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A agarose
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	topoisomerase (DNA) II alpha
Database Link:	Entrez Gene 7153 Human P11388



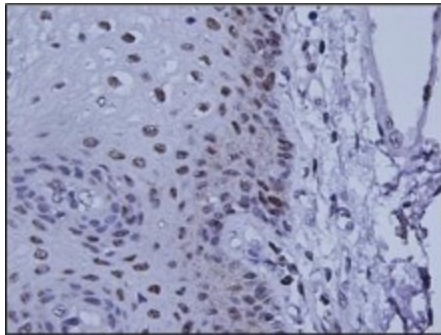
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Background: Topoisomerase II alpha plays important roles in synthesis and transcription of DNA as well as chromosomal segregation during mitosis. It is reported to be a sensitive and specific marker of late S-, G2- and M-phases in transformed and developmentally regulated normal cells. Topoisomerase II alpha is also implicated in drug resistance of tumor cells.

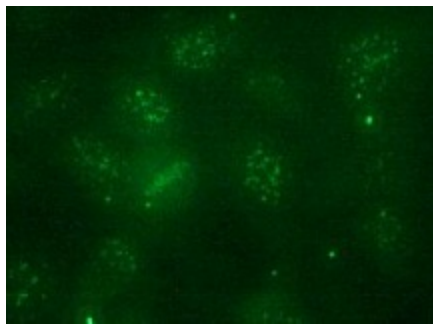
Synonyms: TOP2, Top-2, DNA topoisomerase 2-alpha, DNA topoisomerase II alpha isozyme

Note: This product was originally produced by MBL International.

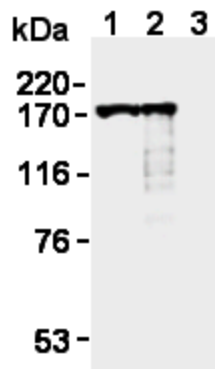
Product images:



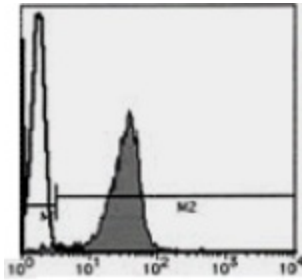
Immunohistochemical detection on DNA Topoisomerase II alpha on paraffin embedded section of human stomach with AM26595AF-N



Immunocytochemical detection of DNA Topoisomerase II alpha on acetone fixed HEP-II with AM26595AF-N.



Western blot analysis of DNA Topoisomerase II alpha expression in Jurkat (1), Raji (2) and WR10L (3) using AM26595AF-N.



Flow cytometric analysis of DNA Topoisomerase II alpha expression in Jurkat. Open histogram indicates the reaction of isotypic control to the cells. Shaded histogram indicates the reaction of AM26595AF-N to the cells.