P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

Topoisomerase II

Availability/Contents:

Item #	Volume
A20088	2 ml
A00088	6 ml
A00088.25	25 ml

Description:

Species:	Mouse
Immunogen:	Prokaryotic recombinant protein corresponding to the C-terminal region of the topoisomerase II alpha molecule.
Clone:	3F6
Isotype:	IgG1
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody is specific to human topoisomerase II. Topoisomerase II is predominant in prolififerating cells and is modified in M phase by phosphorylation at specific sites. This appears to be critical for mitotic chromosome condensation and segregation. Topoisomerase II may be useful as a proliferation marker and may aid to identify a subgroup of neoplasms that respond to cytotoxic therapy with topoisomerase II inhibitors.
Species Reactivity:	Human
Positive Control:	Tonsil
Cellular Localization:	Nuclear
Titer/Working Dilution:	No further dilution is required.
Microbiological State:	This product is not sterile.

Uses/Limitations:
For In Vitro Diagnostic Use.
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
Do not use past expiration date.

Storage and Stability: 2-8º Centigrade.
Product is stable for 24 months from date of manufacture.
If reagent is not stored as recommended, performance must be validated by the user.

Procedure:

1. Tissue Section Pretreatment: (REQUIRED) Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500) or 10mM citrate buffer, pH 6.0 (ScyTek Catalog# CBB500, see IFU for instructions).

2. Primary Antibody Incubation Time: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

3. Visualization: For maximum staining intensity we recommend the “Retrieval HRP Anti-Polyvalent Lab Pack”

Storage: 2°C – 8°C

ScyTek Laboratories, Inc.
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CE IVD

EC REP EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
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(ScyTek catalog# RPL125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Sandri et al. Brit J Cancer 73: 1518-24, 1996.
2. Boege et al. Am J Pathol 146(6): 1302-08, 1995.
3. Houlbrook et al. Brit J Cancer 72: 1464-71, 1995.

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