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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-DNA topoisomerase 1 [5C2] Bulk size M Ab03245-30.11-BS

This is an scFv fragment with a His tag.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: 5C2

Alternative Name(s) of Target: TOP1; Topo; DNA topoisomerase I

UniProt Accession Number of Target Protein: P11387

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing a barnevelder chicken with an antibody antigen cocktail comprising recombinant purified human antigens annexin XI, CENP-B, Topo, Jo-1, Ro60, Rpp38 and U1A in complete Freund's adjuvant. B cells that were harvested from the bone marrow and peripheral blood lymphocytes of immunized chickens was used to generate recombinant scFv phage display libraries. The specific clone was identified by panning the library against specific antigen.

Specificity: This antibody binds human topoisomerase 1. This enzyme controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA.

Application Notes: The binding characterization of this antibody was done using ELISA (PMID: 18062792).

Antibody First Published in: Hof et al. Multiple-antigen immunization of chickens facilitates the generation of recombinant antibodies to autoantigens. Clin Exp Immunol. 2008 Feb; 151(2): 367-377.

[PMID:18062792](#)

Note on publication: Describes the generation of chicked antibodies against various human autoantigens.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration:

See vial label

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.