



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Softag 1 [NT73] Bulk size M Ab02006-1.27-BS

This is a Fab fragment with no tags.

**Isotype and Format:** Mouse Fab fragment, Kappa

**Clone Number:** NT73

**Alternative Name(s) of Target:** rpoC; tabB; epitope tag (SLAELLNAGLGGS); DNA-directed RNA polymerase subunit beta, RNAP subunit beta, RNA polymerase subunit beta, Transcriptase subunit beta

**UniProt Accession Number of Target Protein:** P0A8T7

**Published Application(s):** WB, ELISA

**Published Species Reactivity:** E.coli

**Immunogen:**

**Specificity:** This antibody recognizes and binds an epitope located at the C terminus of beta subunit of the Escherichia coli RNA polymerase. It specifically binds a 13-amino-acid long sequence 'SLAELLNAGLGGS'.

**Application Notes:** This antibody was initially generated for purification of Escherichia coli RNA polymerase because of its ability to release the RNA polymerase in the presence of a low molecular weight polyhydroxylated compound (polyol) and a non-chaotropic salt. Such antibodies were termed as "polyol responsive" MAbs. Using NT73 conjugated to Sepharose, highly active RNA polymerase could be prepared rapidly by a single immunoaffinity chromatography step, replacing two lengthy chromatographic steps in the conventional purification procedure. The polyol-responsiveness of the antibody was determined by an ELISA-elution assay (PMID: 1637835). Later on the epitope of the antibody was recognized and found to be a 13-amino-acid sequence 'SLAELLNAGLGGS' which was converted to an epitope tag that can be fused to a protein of interest for use as a purification tag. This epitope tag called 'Softag1' was fused to either the N or the C terminus of the green fluorescent protein. These tagged proteins were expressed in E. coli, and the tagged proteins were purified from the soluble fraction by a single-step immunoaffinity chromatography procedure. This approach extends the powerful technique of gentle-release immunoaffinity chromatography to many expressed proteins (PMID: 14656522). The scFv variants of this antibody loses considerable affinity for its antigen, however it maintains similar polyol-responsiveness as the parent monoclonal antibody (PMID: 16216525).

**Antibody First Published in:** Thompson et al. Isolation and characterization of a polyol-responsive monoclonal antibody useful for gentle purification of Escherichia coli RNA polymerase. Biochemistry (1992); 31(30):7003-8. [PMID:1637835](#)

**Note on publication:** Describes the generation and characterization of the antibody.

## Product Form

**Size:** 5 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 recommended 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.