



# 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-Tetracycline [scFvTc] Bulk Size Ab03993-30.11-BT

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** scFv fragment (His), ScFv

**Clone Number:** scFvTc

**Alternative Name(s) of Target:** Tc; antibiotic; tetracycline hydrochloride; aureomycin; oxytetracycline; doxycycline

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with tetracycline hydrochloride-BSA as an immunogen. The cDNA obtained from total mRNA of the immunized mouse splenocytes was used as a template to amplify the variable domain genes and generate an scFv phage display library. Later on the antibody was selected by panning this library against tetracycline-ovalbumin conjugate.

**Specificity:** This antibody binds tetracycline. Tetracycline, is an antibiotic derived from microorganisms of the genus Streptomyces and are broadly used to treat bacterial infections. This antibody is reported to cross-react with aureomycin and also shows weak reactivity for oxytetracycline and doxycycline.

**Application Notes:** The binding characterization of this antibody for tetracycline was done using ELISA. Additionally, this antibody was also capable of cross-reacting with aureomycin, oxytetracycline and doxycycline in an ELISA. The colloidal gold labelled version of this antibody was used for the development of colloidal gold test strip for detection of tetracycline hydrochloride (CN103396484).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

### Product Form

**Size:** 500 µg 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:** 1 mg/ml.

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