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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Tetracycline [scFvTc] Bulk Size Ab03993-1.1-BT

Isotype and Format: Mouse IgG1, Kappa

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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

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.