



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

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Anti-Fluoroquinolone [F9] Standard Size Ab04000-30.11

This is an scFv fragment with a His tag.

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

Isotype and Format: scFv fragment (His), ScFv

Clone Number: F9

Alternative Name(s) of Target: Quinoline monocarboxylic acid; antibiotic

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was isolated from a human scFv phage display library by panning against biotinylated fluoroquinolone antibiotic.

Specificity: This antibody is a general fluoroquinolone binder that likely binds to the antigen at the common pyridone-carboxylic acid pharmacophore.

Application Notes: This antibody was capable of binding the biotin analogue of fluoroquinolone in an ELISA. The binding affinity of the original scFv antibody to norfloxacin-biotin analogue was reported to be $K_d = 1.58 \mu\text{M}$. This antibody was used in the development of an ScFv biosensor for qualitative detection of antibiotics in livestock drinking water (PMID: 21142055),

Antibody First Published in: Young Cha et al. Pharmacophore-based strategy for the development of general and specific scFv biosensors for abused antibiotics. *Bioconjug Chem.* 2011 Jan 19;22(1):88-94.

[PMID:21142055](#)

Note on publication: Describes the development of a fluorescent biosensor system using antibodies for detection of fluoroquinolone antibiotics.

Product Form

Size: 50 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.