

## Anti-Fluoroquinolone [F9] Bulk Size Ab04000-23.0-BT

**Isotype and Format:** Rabbit IgG, Lambda

**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:** 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.