Overview

Product name: Anti-Quinolone antibody
Description: Sheep polyclonal to Quinolone
Host species: Sheep
Specificity:

% cross reactivity: Norfloxacin: 100 Enrofloxacin: 288.9 Ciprofloxacin: 21.2 Ofloxacin: 110.5
Enoxacin: 74.2 Sarafloxacin: 56.8 Difloxacin: 52.1 Danofloxacin: 299.4 Flumequine: N/A
Cinoxacin: N/A Nalidixic Acid: N/A Pipemidic Acid: N/A Oxolinic Acid: N/A

Tested applications: Suitable for: Competitive ELISA
Species reactivity: Reacts with: Species independent
Immunogen: Norfloxacin(N) conjugated to BSA
General notes: according to radox the concentration is 10.5 mg/m, dilution is 5mg/ml FP24/10/2007

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.20
Preservative: 0.09% Sodium azide
Constituents: 0.0536% PBS, 0.87% Sodium chloride
Purity: IgG fraction
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab31123 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Relevance

Quinolones and fluoroquinolones form a group of broad-spectrum antibiotics. They are related to nalidixic acid. Fluoroquinolone antibiotics are highly potent and at one time they were considered relatively safe. However, they can have potentially troublesome and irreversible side effects. Quinolones act by inhibiting the bacterial DNA gyrase and/or the topoisomerase IV enzyme. This way they inhibit DNA replication and act bacteriocidically. As such they are to be considered a chemotherapeutic agent as opposed to a true antibiotic as they prevent replication of the bacterial cell by interfering with the genetic replication of the bacterium.

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