

# QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

## Anti-Enrofloxacin Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 17401 (clone 72FIG1F7#1)

**Size:** 1 ml ascites or 1 mg purified antibody in PBS, pH 7.4. Antibody concentration in ascites is approx. 10 mg/ml.

### BACKGROUND

Enrofloxacin is a fluoroquinolone that inhibits the activity of bacterial DNA gyrase. It was the first fluoroquinolone antimicrobial to be used in veterinary medicine and is indicated in therapy of infections by *E. coli*, *Salmonella*, *Pasteurella*, *Mycoplasma* and *Hemophilus* species. In the USA, approved use is currently limited to dogs, but approval for use in food-animals is under consideration.

### SPECIFICATION SUMMARY

**Antigen:** Enrofloxacin conjugated to KLH (keyhole limpet hemocyanin) via carbodiimide.

**Host Species:** Mouse

**Antibody Class:** IgM

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY

This antibody reacts equally well with enrofloxacin and its main metabolite, ciprofloxacin.

### APPLICATIONS

*ELISA:* Endpoint titer for ascites is 1:1,000-1:2,000 with enrofloxacin or ciprofloxacin on the solid phase at 0.5-1.25 ug/well. Not all applications have been investigated.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*