

## FK-506 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 17301

**Size:** 200 ug IgM in PBS, pH 7.4.

### BACKGROUND

FK-506 is a novel macrolide with similar, but more potent, immunosuppressant activity than cyclosporine. FK-506 is used for primary or rescue immunosuppression in patients after solid organ transplantation. Clinically relevant side effects of FK-506 administration are nephrotoxicity, neurotoxicity, diabetes mellitus, and hypertension. Most of these side effects are related to blood levels of FK-506 rather than dosage. Therefore, therapeutic drug monitoring of FK-506 is a prerequisite for therapy. The whole blood target level range aimed for in clinical practice is 3.0-20.0 ng/ml and depends on the patient's liver function, the nature of organ transplantation, and the time after transplantation.

### SPECIFICATION SUMMARY

**Antigen:** FK-506 conjugated to bovine serum albumin.

**Host Species:** Mouse

**Mouse Isotype:** IgM

**Stabilizers:** None

**Preservatives:** 0.1% sodium azide.

### SPECIFICITY

This antibody recognizes conjugated and non-conjugated FK-506 ( $K_d=10^{-9}$  M).

### APPLICATIONS

This antibody may be used in ELISA and Western blotting to detect FK-506.

### 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  $-20^{\circ}\text{C}$ . Avoid multiple freeze-thaw cycles.

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