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 (Kd=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°C. Avoid multiple freeze-thaw cycles.

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