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Certificate of Analysis and Data Sheet

Mouse Anti FK-506

Catalog No.
MD-14-0858

Host Animal
Mouse

Isotype
IgM

Description

Monoclonal Antibody to Tacrolimus (FK-506)

Preparation

Immunogen: FK-506 BSA conjugate

Purification: Euglobulin precipitation and dialysis

Fusion Partner: Mouse. Hybridization of Sp2/0 myeloma cells with spleen cells from BALB/c mice.

Formulation

Product Form: Purified, Liquid

Buffer Solution: Tris buffered saline, pH 8.0

Preservative Stabilizers: 0.09% Sodium azide

Approx. Protein Concentration: 1mg/ml

Specificity

Detects FK-506, a macrolide with similar but more potent immunosuppressant activity than cyclosporine. It is a 23-membered lactone produced by the bacteria *Streptomyces tsukubaensis*. FK-506 inhibits signal transduction and interleukin-2 transcription in CD4+ T helper lymphocytes, and is mainly used after allogenic organ transplantation to reduce organ rejection.

Applications

Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage

Short term store at 2-8°C. Long term aliquot and store at -20°C. Prepare working dilution only prior to immediate use. Avoid multiple freeze/thaw cycles.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**