

**MONOTOPE™** product information for

**Mycobacterium tuberculosis**

**I. Monoclonal Antibody (Mouse) Specificity**

Product No.'s	Ig class	
5175	NA	IgG2a Recognizes the 16 kDa antigen (HspX) of M. tuberculosis & M. bovis. Functions in ELISA & WB.
5176	NA	IgG2a Recognizes the 16 kDa antigen (HspX) of M. tuberculosis & M. bovis. Functions in ELISA & WB.
5177	NA	IgG2a Reactive with Hsp65 (GroEl) of M. tuberculosis. Non-reactive with other Mycobacteria*. ELISA & WB.
5178	NA	IgG2a Reactive with Hsp65 (GroEl) of M. tuberculosis. Non-reactive with other Mycobacteria*. ELISA & WB.
5172	NA	IgG2b Recognizes the CFP 10 protein of M. tuberculosis. ELISA.
5173	NA	IgG1 Recognizes the ESAT6 protein of M. tuberculosis. ELISA.
5174	NA	IgG1 Recognizes the 38 kDa antigen of M. tuberculosis. ELISA & WB.

**II. Purified Preparations**

Product No.'s
5175
5176
5177
5178
5172
5173
5174

MONOTOPE™ purified preparations consist of >90% pure mouse monoclonal antibody which has been purified from ascites fluid or culture medium by protein A chromatography or sequential differential precipitations. The final preparation is formulated to a protein concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Each vial contains 1.0 ml. This product contains no stabilizing proteins and should be stored at -20°C until ready for use. Avoid repeated freeze-thawing by storing multiple aliquots at -20°C. Working dilution must be determined by the user. Suggested starting ranges are 1:10-1:50 for IFA, blotting & IHC and 1:20-1:200 for ELISA. Custom conjugation of this antibody with HRP, alkaline phosphatase, biotin and fluorescein is available on a minimum order basis

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

**III. Fluorescein Conjugates**

Product No.'s
NA
NA
NA
NA
NA
NA
NA
NA

These MONOTOPE™ products consist of purified monoclonal antibody conjugated with high purity isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product. The final preparation is formulated to an antibody concentration of 100 µg/ml in 0.01 M phosphate buffered saline, pH 7.2 containing 0.1% sodium azide plus bovine serum albumin at 10 mg/ml. Each vial contains 1.0 ml. This product should be stored at -20°C until ready for use. Avoid repeated freeze-thawing by storing multiple aliquots at -20°C. Applications for these products include direct FA staining of target antigen in a permissive tissue culture system. Working strength must be determined by the user for each specific application but a starting range of 1:5 - 1:20 is recommended. Acetone fixation of the antigen source is recommended prior to staining.

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Comments: \* Non-reactive with: M. bovis, M. avium, M. phlei, M. parafortuitum, Rhodococcus sp., B. subtilis, S. pneumoniae, E. coli