

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. |
| 5174 NA | IgG1 | Recognizes the 38 kDa antigen of M. tuberculosis. ELISA & WB. |

II. Purified Preparations

| | |
|---------------|------|
| Product No.'s | 5175 |
| | 5176 |
| | 5177 |
| | 5178 |
| | 5172 |
| | 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 2-8°C until ready for use. Working dilution must be determined by the user. Suggested starting ranges are 1:10-1:50 for IFA and 1:20-1:200 for ELISA.

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 |

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 2-8°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