

**MONOTOPE™** product information for

**Canine Heartworm**

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

Product No.'s	Ig class	
3231	IgG3	Specific to D. immitis. Negative for uninfected canine serum. Functions in ELISA. Pairing information below.
3232	IgG1	Specific to D. immitis. Negative for uninfected canine serum. Functions in ELISA. Pairing information below.
3233	IgG1	Specific to D. immitis. Negative for uninfected canine serum. Functions in ELISA. Pairing information below.
3217	IgG1	Specific to D. immitis. Functions in ELISA. Pairing information below.

**II. Purified Preparations**

Product No.'s
3231
3232
3233
3217

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

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:** Best ELISA pairs (capture-conjugate): 3232-3231, 3232-3217, 3217-3231, 3231-3231