

**MONOTOPE** <sup>™</sup> product information for

**Hepatitis B surface antigen**

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

Product No.'s	Ig class	
1834 NA	IgG2a	Specific to surface antigen; subtypes ad & ay. High affinity capture antibody (ELISA)
1835 NA	IgG2a	Specific to surface antigen; subtypes ad & ay. High affinity capture antibody (ELISA)
1836 NA	IgG2a	Specific to surface antigen; subtypes ad & ay. High affinity capture antibody (ELISA)
1837 NA	IgG2a	Specific to surface antigen; subtypes ad & ay. High affinity probe antibody (ELISA)
1838 NA	IgG1	Specific to surface antigen; subtypes ad & ay. High affinity probe antibody (ELISA)

**II. Purified Preparations**

Product No.'s	1834
	1835
	1836
	1837
	1838

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

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:** Best Pairs (capture / probe): 1834 / 1837, 1835 / 1837, 1836 / 1837, 1834 / 1838

1834, 1835 & 1836 function as capture antibodies paired with polyclonal HRP conjugate (#1814) also.

Notes: All clones developed using native antigen. All are negative vs. normal human serum