

**MONOTOPE** <sup>™</sup> product information for  
**Human Immunodeficiency Virus**

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

Product No.'s	Ig class	
1911	NA	IgG2a Specific for env. gp41 in western blot immunoassay (native antigen). Negative in IFA
<b>1994</b>	<b>1995</b>	IgG2a <b>Specific for HIV1 gp120. Functions in ELISA, WB &amp; IFA vs. strains MN &amp; IIIb. - NEW -</b>
1941	1943	IgG1 Specific for HIV1 p24. Does not crossreact with other HIV polypeptides. Functions in IFA, IHC, ELISA, WB
1946	NA	IgG1 Specific for HIV1 p24. Pairs as capture maby with polyclonal biotin reporter (#1957) in ELISA. IFA.
<b>1947</b>	NA	IgG1 <b>Specific for HIV1 p24 (native antigen). Excellent reporter maby in ELISA. IFA. - NEW -</b>
<b>1948</b>	NA	IgG1 <b>Specific for HIV1 p24 (native antigen). Excellent reporter maby in ELISA. IFA. - NEW -</b>
<b>1949</b>	NA	IgG1 <b>Specific for HIV1 p24 (native antigen). Excellent reporter maby in ELISA. Neg. in IFA. - NEW -</b>

**II. Purified Preparations**

Product No.'s	1911
	<b>1994</b>
	1941
	1946
	<b>1947</b>
	<b>1948</b>
	<b>1949</b>

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
	<b>1995</b>
	1943
	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: