

MONOTOPE™ product information for

Vaccinia virus

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
8112	NA	IgG1 Reactive with free virus + infected cells. Functions in ELISA, IHC & IFA.
8114	NA	IgG2b Reactive with free virus + infected cells. Specific to the A33R protein. Functions in ELISA, IHC & IFA.
8116	NA	IgG2b Reactive with free virus + infected cells. Specific to the A33R protein. Functions in ELISA, IHC & IFA.
8118	NA	IgG1 Reactive with free virus + infected cells. Functions in ELISA and IFA.
8119	NA	IgG2a Reactive with free virus + infected cells. Specific to the A27L protein. Functions in ELISA and IFA.

II. Purified Preparations

Product No.'s	8112
	8114
	8116
	8118
	8119

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. 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 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: All antibodies are positive for the Lister and NYCBH strains of vaccinia.

Best pair in lateral flow (capture/conjugate): 8112/8114