

MONOTOPE™ product information for

West Nile Virus

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
3631	IgG1	Specific for the envelope protein. Functions in ELISA & IFA. See table for cross reactivity information.
3641	IgG1	Specific for the envelope protein. Functions in ELISA & IFA. See table for cross reactivity information.
3655	IgG2a	Specific for the envelope protein. Functions in ELISA & IFA. See table for cross reactivity information.
3661	IgG2a	Specific for the envelope protein. Functions in ELISA & IFA. See table for cross reactivity information.
3671	IgG2b	Specific for the envelope protein. Functions in ELISA & IFA. See table for cross reactivity information.

II. Purified Preparations

Product No.'s	3631
	3641
	3655
	3661
	3671

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

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:

West Nile Virus Monoclonal Antibody Cross Reactivities

Virus Reactivity (IFA)

	*	*	*	*	*	*					
Maby	WNV	SLE	JEV	YFV	DEN	TBE	EEE	WEE	POW	LAC	VEE
3631	pos	pos	neg	neg	neg	neg	neg	neg	neg	neg	neg
3641	pos	pos	neg	neg	neg	neg	neg	neg	neg	neg	neg
3655	pos	pos	pos	neg	pos	neg	neg	neg	neg	neg	neg
3661	pos	pos	pos	neg	pos	neg	neg	neg	neg	neg	neg
3671	pos	neg	pos	neg	neg	pos	neg	neg	neg	neg	neg

*Flaviviruses