

**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 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:

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