

MONOTOPE™ product information for

Varicella-Zoster virus

I. Monoclonal Antibody (Mouse) Specificity

| Product No.'s | Ig class | Specificity |
|-----------------|----------|--|
| 0321 | NA | IgG2 specific for membrane glycoprotein 1 (gE). Functions in IFA, ELISA & western blot. |
| 0332 | NA | IgG1 specific for membrane glycoprotein 2. Functions in IFA. |
| 0341 | NA | IgG1 specific for membrane glycoprotein 3. Functions in IFA & western blot immunoassay. |
| 0351 | NA | IgG1 specific for membrane glycoprotein 4 (gI). Functions in IFA. |
| 0361 | NA | IgG1 specific for an Immediate Early protein (gene 62; 180 kDa) of VZV. Functions in IFA & IHC. |
| 0371 | NA | IgG1 specific for the nucleocapsid (155 kDa) of VZV. Functions in IFA & IHC. |

II. Purified Preparations

| Product No.'s |
|-----------------|
| 0321 |
| 0332 |
| 0341 |
| 0351 |
| 0361 |
| 0371 |

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 |
| 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: