

**MONOTOPE** <sup>™</sup> product information for  
**Cytomegalovirus**

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

Product No.'s	Ig class	
0885	0887	IgG1 specific for pp65 of CMV. Functions in pp65 antigenemia assay (indirect IFA).
0841	NA	IgG1 specific for a 70 kD Immediate Early (IE) nuclear antigen. Functions in IFA for early detection/culture.
0891	NA	IgG2a specific for the 65 kD late major matrix protein of CMV. Functions well in blotting & IFA.
0861	NA	IgG1 specific for glycoprotein gH. <del>Neutralizing</del> . Not reactive with HSV, VZV, EBV or uninfected cells.
0871	NA	IgG1 specific for late, cytoplasmic, 66 kD protein. Neutralizes. Not reactive with HSV, VZV, EBV. IFA & ELISA
0881	NA	IgG1 specific for a 66 kD antigen appearing in cytoplasm & nucleus. Neutralizes. IFA & ELISA .

**II. Purified Preparations**

Product No.'s
0885
0841
0891
0861
0871
0881

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
0887
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:** Inquire about other CMV mono- and polyclonal antibodies available from ViroStat.  
Products 0841, 0861, 0871, 0881 & 0891 function in Western Blot.