

**MONOTOPE™** product information for  
**SARS & COVID-19 Coronavirus**

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

Product No.'s	Ig class	
3851	NA	IgG2b Specific for the nucleoprotein of the SARS virus (IFA, ELISA & WB) and COVID-19 virus (ELISA)*
3861	NA	IgG1 Specific for the nucleoprotein of the SARS virus (IFA, ELISA & WB) and COVID-19 virus (ELISA)*
3862	NA	IgG Specific for the nucleoprotein of the SARS virus (IFA & ELISA) and COVID-19 virus (ELISA)*
3863	NA	IgG Specific for the nucleoprotein of the SARS virus (IFA & ELISA) and COVID-19 virus (ELISA)*
3864	NA	IgG Specific for the nucleoprotein of the SARS virus (IFA & ELISA) and COVID-19 virus (ELISA)*

**II. Purified Preparations**

Product No.'s
3851
3861
3862
3863
3864

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
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 of these antibodies are reactive with the NP of COVID-19 virus by ELISA. They are all negative for human coronaviruses 229E & OC43.

All antibodies are reactive with the nucleocapsids of Variants: UK B.1.1.7, SA B.1.351, Brazil P.1 & B.1.617.2