

MONOTOPE

™ product information for

Streptococcus

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
0421	NA	IgG2a specific for Group A Strep., negative for B,C,D,E,F & G. Functions in whole cell ELISA.
0721	NA	IgG1 specific for Group B Strep.(all serotypes), negative for groups A,C,D,F & G. Functions in ELISA & IFA.
0431	0433	IgM specific for Group A carbohydrate. Functions as reporter in ELISA. Immunoprecipitating (see below)
0441	NA	IgG1 specific for a polysaccharide determinant on Strep. pneumoniae. Slight crossreactivity with H. influenzae

II. Purified Preparations

Product No.'s	0421
	0721
	0431
	0441

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
	0433
	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: 0431 immunoprecipitates purified group A carbohydrate from both hot HCl & nitrous acid extracts. Works well HRP & gold conjugated. This monoclonal functions as a capture antibody on nitrocellulose but not on polystyrene solid phases.
0721 immunoprecipitates purified group B carbohydrate from both autoclaved and enzyme prepared extracts but not HCl extracts.