

MONOTOPE™ product information for
E. coli

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
1011 NA	IgG1	Reactive with a number of E. coli serotypes*. Functions in ELISA assay.
1031 †	IgG3	Specific for E. coli serotype O157 by immunofluorescence. Immunoprecipitates LPS of O157:H7
1041	IgM	Specific for E. coli serotype O157 by immunofluorescence.
1061 †	IgG2b	Specific for E. coli serotype O157. Functions in immunofluorescence & ELISA. High affinity.
1071	IgG3	Specific for E. coli serotype O157. Functions in ELISA.
6911 NA	IgG1	Specific for E. coli K99 pili. Functions in ELISA vs. pili & whole cells.

II. Purified Preparations

Product No.'s	1011
	1031 †
	1041
	1061 †
	1071
	6911

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
	1033
	1063
	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: * 1011 is reactive with at least the following E. coli serotypes: O18, O44, O112 & O125. It does not cross-react with other members of the Enterobacteriaceae
† 1031 & 1061 function as a pair in lateral flow IA and are non-reactive with E. coli serotypes: O111, O125, O20, O55 & K12
† 1031 conjugates with colloidal gold. In ELISA, it functions as a capture antibody, detector antibody and pairs with itself.