

MONOTOPE™ product information for
E. coli O157

I. Monoclonal Antibody (Mouse) Specificity

Product No.'s	Ig class	
1022	NA	IgG1 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations*
1023	NA	IgG2b Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations*
1024	NA	IgG1 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations*
1025	NA	IgG1 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations*
1026	NA	IgG3 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations*
1061	NA	IgG3 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations^
1031	NA	IgG3 Specific for the "O" antigen of E. coli serotype O157. Functions in ELISA & IFA. Pairing recommendations^

II. Purified Preparations

- Product No.'s 1022
- 1023
- 1024
- 1025
- 1026
- 1061
- 1031

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
- 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.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Comments: *Best ELISA pairs (capture/conjugate) are: 1023/1022, 1024/1022, 1025/1022, 1026/1023

^ 1031 & 1061 function as a pair in lateral flow IA and are non-reactive with E. coli serotypes: O111, O125, O20, O55 & K12