



Magic™ Anti-E. coli O157 Monoclonal antibody, Clone C948N (DCAB-TJ078)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------------|---|
| Specificity | Reacts with the "O" antigen of E. coli serotype O157. |
| Target | E. coli O157 |
| Immunogen | Partially Purified E. coli O157 LPS. |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | E. coli |
| Clone | C948N |
| Purification | > 90% pure. Protein A Chromatography |
| Conjugate | Unconjugated |
| Applications | Suitable for use in IFA and ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended antibody Suggested pair for testing (Capture - Detection): DCAB-TJ078 - DCAB-TJ076 |
| Procedure | Matched Antibody Pairs |
| Format | Purified, Liquid |
| Concentration | 100 µg/mL (OD280 nm, E0.1% = 1.3) |
| Size | 100 µg |
| Buffer | 0.01 M PBS, pH 7.2 Product contains no stabilizing proteins. |
| Preservative | 0.1% Sodium Azide |
| Storage | Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles. |
| Warnings | Centrifuge before opening to ensure complete recovery of vial contents. This product contains sodium azide, which has been classified as Xn (Harmful) in European Directive 67/548/EEC in |

the concentration range of 0.1-1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

BACKGROUND

Introduction

Escherichia coli (/ˌɛʃərɪˈkiː ˈkɒli/; commonly abbreviated E. coli) is a gram-negative, facultatively anaerobic, rod-shaped bacterium of the genus Escherichia that is commonly found in the lower intestine of warm-blooded organisms (endotherms). Most E. coli strains are harmless, but some serotypes can cause serious food poisoning in their hosts, and are occasionally responsible for product recalls due to food contamination. The harmless strains are part of the normal flora of the gut, and can benefit their hosts by producing vitamin K2, and preventing colonization of the intestine with pathogenic bacteria.

Keywords

E. coli O157; Escherichia coli O157; Escherichia coli; E. coli
