

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: MAV66-310 **Lot #:** 3D10609

Description: MAb to *E. coli* SLT-1 (STX-1)
Monoclonal Antibody to *Escherichia coli* (*E. coli*) Shiga-like Toxin 1 (SLT-1, STX-1), alpha & beta subunits.

Specificity: Reacts with alpha, alpha-1 and beta subunits of SLT-1 (STX-1). Also reacts with alpha and alpha-1 subunits of SLT-2 (STX-2).

Host Animal: Mouse **Isotype:** IgG₁

Source: Ascites

Immunogen: SLT Toxin from *E. coli* O157:H7.

Format: Purified, Lyophilized
Reconstitute with 1 mL distilled water.

Concentration: 1 mg/mL (prior to lyophilization).

Buffer: Lyophilized from 10 mM Phosphate, pH 7.4 containing 0.9% Sodium Chloride.

Preservative: None

Applications: Toxin Neutralization: Neutralized Vero Cell toxicity of *E. coli* O157:H7 extracts when used at a 10 µg/mL concentration.
ELISA: Used as capture antibody at 20 µg/mL concentration (100 µL). Immobilizes SLT 1 for detection by an HRP conjugate.
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.

Storage: Store lyophilized product (up to one year) at 2-8°C. After reconstitution, short term (up to 14 days) store at 2-8°C. Long term (up to one year) store at -20°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The reference listed below is for research purposes only:
Padhye, V.V., et al., (1989), "Production and characterization of monoclonal antibodies to Verotoxins 1 and 2 from *Escherichia coli* of serotype O157:H7", *J. Med. Microbiol.*, **30**: 219-226.

Quality Signature: 

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY