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## CERTIFICATE OF ANALYSIS

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

**Catalog #:** MAV66-310 **Lot #:** 2B03813

**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).

**Clone:** 286-13310

**Host Animal:** Mouse **Isotype:** IgG<sub>1</sub>

**Source:** Ascites

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

**Format:** Purified, Lyophilized  
Reconstitute with 1 mL distilled water. **Exp. Date:** Not Assigned

**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.  
Immunoblot: Detected SLT 1 when used at 1 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.

**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.

Signature

25 September 2013

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**