



## VEROTOXIN Antibody, Mouse Monoclonal Antibody

Catalog Number: 20-783-74628

### - Gene Information -

Information in yellow represents specific gene information and does not necessarily represent specific product details.

Gene Name: [stxA2](#)

Gene Name Synonym: stx2A

Gi #: [N/A](#)

NCBI Acc #: [N/A](#)

Swiss Prot Acc #: [P09385](#)

Length (aa): N/A

Mol. Weight (Da): 35714

Chrom Location: N/A

🔍 **Specificity:** VEROTOXIN

🔍 **Isotype: Specificity:** VEROTOXIN

🔍 **Clone:** 7585

🔍 **Specificity Note:** This product recognises the shiga-like verotoxin component SLT-2a, responsible for inhibition of protein synthesis through the catalytic inactivation of the 60S ribosomal subunits. Shiga-like verotoxins contain a single A subunit and multiple copies of a b subunit.

🔍 **Buffer Solution:** Phosphate buffered saline

🔍 **Preservative Stabilisers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

🔍 **Source/Host:** Mouse

🔍 **Clonality:** Monoclonal

🔍 **Crossreactivity:** Bacterial

🔍 **Format:** Purified

🔍 **Storage:** Store at +4 degree C or at -20 degree C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

🔍 **Stability:** 18 months from date of despatch.

🔍 **Shipping:** Products may be shipped on ice pack or dry ice.

APPLICATIONS for STXA2 ANTIBODY:
ELISA: Tested

**STXA2 ANTIBODY TARGET DESCRIPTION:**

**Synonym Names for stxA2 antibody:** stxA2; stx2A; MOUSE ANTI ESCHERICHIA COLI VEROTOXIN (SLT-2a); Shiga-like toxin 2 subunit A

**Function:** The A subunit is responsible for inhibiting protein synthesis through the catalytic inactivation of 60S ribosomal subunits. After endocytosis, the A subunit is cleaved by furin in two fragments, A1 and A2: A1 is the catalytically active fragment, and A2 is essential for holotoxin assembly with the B subunits.

**Catalytic Activity:** Endohydrolysis of the N-glycosidic bond at one specific adenosine on the 28S rRNA.

**Subunit:** Shiga-like toxin contains a single A subunit and multiple copies of a B subunit.

**Subcellular Location:** Secreted.

**Similarity:** Belongs to the ribosome-inactivating protein family.

VEROTOXIN reacts with bacterial.

**BACKGROUND REFERENCES for STXA2 ANTIBODY:**

Background references for antibody target are not specific to GenWay products 1. Calderwood SB. *et al.* (1987) Nucleotide sequence of the Shiga-like toxin genes of Escherichia coli.