

## VEROTOXIN Antibody, Mouse Monoclonal Antibody

**Catalog Number: 20-783-74628**

### Related Product Names:

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

### - Gene Information -

Information in yellow represents specific gene information and does not necessarily represent specific product details. For more information please contact [sales@genwaybio.com](mailto:sales@genwaybio.com).

**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

**TESTING: (secondary reagents and protocols)**

Not Available

**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.

**Order Confirmation:** Sales order confirmations are sent out upon the receipt of all orders. Please contact GenWay if you do not receive a confirmation within 1 business day of submitting your order.

**Precautions:** stxA2 antibody is for in vitro research use only. Not for use in diagnostics or therapeutic procedures.

**Important Notes:** During shipment, small volumes of stxA2 antibody vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. Actual concentration, volume and quantity will be printed on the vial's label. Please refer to the vials label for this information.