

Mouse Shiga Toxin Monoclonal Antibody | anti-stxA antibody

Mouse Monoclonal Shiga Toxin antibody

CATALOG #
AAA224669

HOST
Mouse

PRODUCT SYNONYMS

Shiga Toxin; Monoclonal Antibody; Mouse Monoclonal Shiga Toxin antibody; Monoclonal Shiga Toxin antibody; Anti-Shiga Toxin antibody; Shiga Toxin 1 antibody; Stx antibody; Stx1 antibody; anti-stxA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Clone Number	M82961
Purity/Purification	Purified by Protein A column
Form/Format	Protein A purified antibody supplied as a liquid in PBS, with 0.1% NaN ₃ .
Concentration	0.91mg/ml (varies by lot)
Sequence Length	315
Immunogen	Shiga Toxin antibody was raised in mouse using E Coli shigatoxin as the immunogen.
Biological Significance	Shiga toxins act to inhibit protein synthesis within target cells by a mechanism similar to that of ricin toxin produced by <i>Ricinus communis</i> . After entering a cell via a macropinosome, the protein functions as an N-glycosidase, cleaving a specific adenine nucleobase from the 28S RNA of the 60S subunit of the ribosome, thereby halting protein synthesis.
Preparation and Storage	Store at 4°C. Avoid repeat freeze-thaws

ADDITIONAL INFORMATION

Product Categories/Family for anti-stxA antibody	Infectious Disease
--	--------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	10799911
UniProt Accession #	Q779K4; Q7B2T8
NCBI Official Full Name	shiga toxin
UniProt Protein Name	Shiga toxin subunit A
UniProt Gene Name	stxA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.