

TOX Recombinant Monoclonal Antibody [BLR212K]

Rabbit Recombinant Monoclonal

Purified	Protein ID	NP_055544.1
Catalog No. A700-212	GeneID	9760
Lot No. A700-212-1		

APPLICATIONS	WB, IP, ICC, F
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl (50+ tests)
CONCENTRATION	250 µg/ml
STORAGE/SHELF LIFE	2 – 8°C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
CLONE #	BLR212K
ORIGIN	USA
PRODUCTION PROCEDURES	Recombinant antibody was purified from cell culture supernatant.

Immunogen was a peptide representing a region between residue 50 and 100 of human Thymocyte selection-associated high mobility group box protein TOX using the numbering given in entry NP_055544.1 (Gene ID 9760).

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:1,000
Immunoprecipitation	20 µl/1 mg lysate
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE cell sections.
Flow Cytometry	Fixed in 4% formaldehyde and permeabilized with 90% methanol. 0.1 µl per 1 x 10 ⁶ cells.

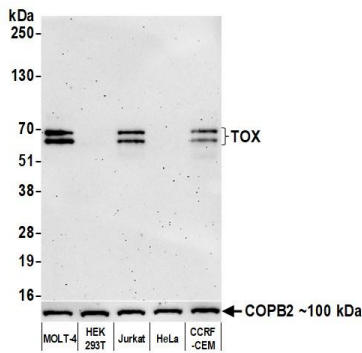
IHC HUMAN CONTROLS CCRF-CEM cells, HH Cells, Jurkat Cells, MOLT-4 Cells

IHC MOUSE CONTROLS A20 Cells, BW5147.3 cells, EL-4 cells

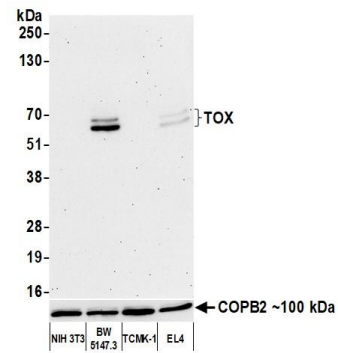
ADDITIONAL INFO <https://www.bethyl.com/product/A700-212>

Use the link above to view SDS, a current list of citations, and other product specific information.

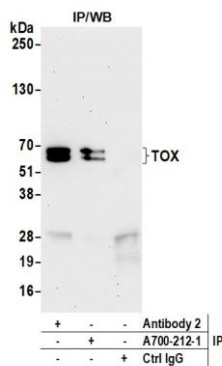
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: April 27, 2022



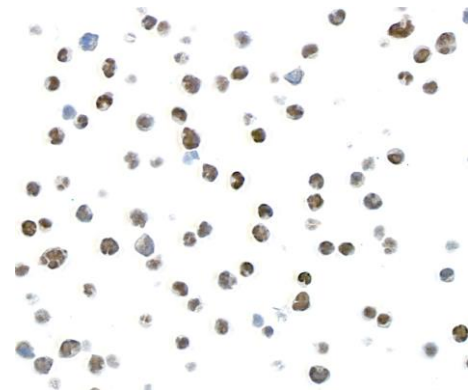
Detection of human TOX by western blot. *Samples:* Whole cell lysate (10 µg) from MOLT-4, HEK293T, Jurkat, HeLa, and CCRF-CEM cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-TOX recombinant monoclonal antibody [BLR212K] (A700-212 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



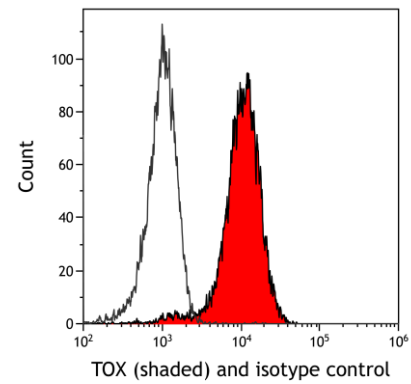
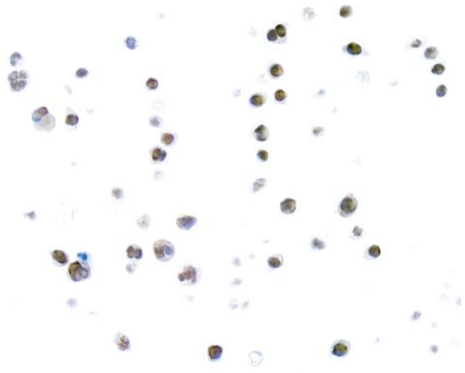
Detection of mouse TOX by western blot. *Samples:* Whole cell lysate (10 µg) from NIH 3T3, BW5147.3, TCMK-1, and EL4 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-TOX recombinant monoclonal antibody [BLR212K] (A700-212 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



Detection of human TOX by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from MOLT-4 cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-TOX recombinant monoclonal antibody [BL-178-12C7] (A700-212 lot 1) used for IP at 20 µl/mg lysate. TOX was also immunoprecipitated by a second antibody against a different epitope of TOX (Antibody 2). For blotting immunoprecipitated TOX, A700-212 was used at 1:1000. Chemiluminescence with an exposure time of 30 seconds.



Detection of human TOX by immunocytochemistry. *Sample:* FFPE section of MOLT-4 cells. *Antibody:* Rabbit anti-TOX recombinant monoclonal antibody [BLR212K] (A700-212 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

**Detection of mouse TOX by immunocytochemistry.**

Sample: FFPE section of BW5147.3 cells. *Antibody:* Rabbit anti-TOX recombinant monoclonal antibody [BLR212K] (A700-212 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

Detection of human TOX (shaded) in Jurkat cells by flow cytometry.

Antibody: Rabbit anti-TOX recombinant monoclonal antibody [BLR212K] (A700-212) or isotype control (unshaded). *Secondary:* DyLight® 488-conjugated goat anti-rabbit IgG (A120-101D2).