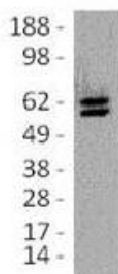


Anti-Human/Mouse TOX Purified

Catalog Number: 14-6502

Also known as: Thymocyte selection-associated HMG box protein

RUO: For Research Use Only. Not for use in diagnostic procedures.



Cell lysates prepared from reduced mouse thymocytes were immunoblotted with 1 ug/mL of Anti-Human/Mouse TOX antibody. Bands were visualized using Anti-Rat IgG HRP.

Product Information



Contents: Anti-Human/Mouse TOX Purified

Catalog Number: 14-6502

Clone: TXR10

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This TXR10 monoclonal antibody reacts with human and mouse TOX, which is also known as Thymocyte selection-associated HMG box protein. This DNA-binding nuclear factor is expressed in thymocytes, T lymphocytes, NK cells, and lymphoid tissue-inducer (LTi) cells. TOX expression in thymocytes is upregulated during β -selection and positive selection. Studies using *Tox* knockout mice have demonstrated a critical role for TOX in CD4⁺ T cell development as a regulator of the CD4^{lo}CD8^{lo} to CD4⁺CD8^{lo} transition. Moreover, TOX has been shown to be involved in the development of NK and LTi cells. While its regulation remains unclear, TOX expression has been shown to be induced by calcineurin-mediated TCR signaling in thymocytes during positive selection.

Applications Reported

This TXR10 antibody has been reported for use in immunoprecipitation and immunoblotting (WB).

Applications Tested

This TXR10 antibody has been tested by immunoblotting of reduced cell lysate prepared from mouse thymocytes at less than or equal to 5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Aliahmad P, de la Torre B, Kaye J. Shared dependence on the DNA-binding factor TOX for the development of lymphoid tissue-inducer cell and NK cell lineages. *Nat Immunol.* 2010 Oct;11(10):945-52.

Aliahmad P, Kaye J. Development of all CD4 T lineages requires nuclear factor TOX. *J Exp Med.* 2008 Jan 21;205(1):245-56.

Aliahmad P, O'Flaherty E, Han P, Goularte OD, Wilkinson B, Satake M, Molkentin JD, Kaye J. TOX provides a link between calcineurin activation and CD8 lineage commitment. *J Exp Med.* 2004 Apr 19;199(8):1089-99.

Wilkinson B, Chen JY, Han P, Rufner KM, Goularte OD, Kaye J. TOX: an HMG box protein implicated in the regulation of thymocyte selection. *Nat Immunol.* 2002 Mar;3(3):272-80.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

Anti-Human/Mouse TOX Purified

Catalog Number: 14-6502

Also known as: Thymocyte selection-associated HMG box protein

RUO: For Research Use Only. Not for use in diagnostic procedures.

Related Products

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)