

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TORC3 in direct ELISAs and Western blots. In direct ELISAs, less than 15% cross-reactivity with recombinant human TORC3 and no cross-reactivity with recombinant mouse (rm) TORC1 or rmTORC2 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 643729
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse TORC3 Leu153-Pro275 Accession # Q91X84
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TORC3, also known as CREB-regulated transcription coactivator 1 (crtc3), is an approximately 80 kDa protein that functions as a coactivator for CREB1 in promoting transcription through both consensus and variant cAMP response element (CRE) sites. TORC3 activity is important in regulating the expression of genes involved in cellular energy metabolism. Its binding to the HTLV-1 protein Tax enhances HTLV-1 transcription, whereas its binding to cellular Bcl3 inhibits HTLV-1 transcription. Alternate splicing of mouse TORC3 generates isoforms that lack the N-terminal 299 amino acids (aa). Within aa 153-275, mouse TORC3 shares 99% and 98% aa sequence identity with human and rat TORC3, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.