

Datasheet for 600-401-EZ4**TACI Antibody****Overview**

Description:	Anti-TACI (RABBIT) Antibody - 600-401-EZ4
Item No.:	600-401-EZ4
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Members in the TNF superfamily regulate immune responses and induce apoptosis. Two novel members in the TNF family were recently identified and designated BAFF/BLyS/TALL-1/THANK/zTNF4 and April/TALL-2, respectively. BAFF was characterized as a B cell activator since it induced B cell proliferation and immunoglobulin secretion. April regulates immunological and non-immunological cell growth. Three receptors, BCMA, TACI, and BAFF-R, for BAFF and April were recently identified. TACI, like BCMA, binds BAFF and April. TACI and its ligands regulate humoral immune responses, activate NF-κB and c-jun N-terminal kinase, and are involved in B cell associated autoimmune diseases.
Synonyms:	TACI Antibody, CVID, RYZN, TACI, CD267, CVID2, TNFRSF14B, Tumor necrosis factor receptor superfamily member 13B, Transmembrane activator and CAML interactor
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF13B
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TACI antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide mapping at the N-terminus of human TACI.

Purity/Specificity: Anti-TACI Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TACI from other sources has not been determined.

Relevant Links:

- [UniProtKB - O14836](#)
- [GeneID - 23495](#)
- [NCBI - NP_036584.1](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-TACI Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:50,000

WB: 5 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

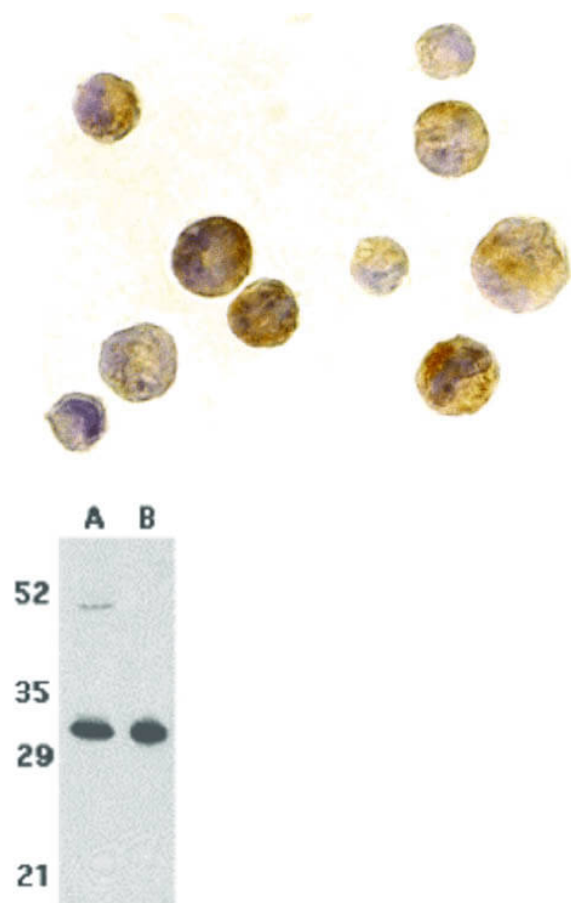
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunocytochemistry

Immunocytochemistry of TACI antibody. Cells: K562 cells.
 Fixation: formalin fixed paraffin embedded. Antigen
 retrieval: not required. Primary antibody: TACI antibody at
 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase
 rabbit secondary antibody at 1:10,000 for 45 min at RT.
 Localization: TACI is localized in the cell membrane.
 Staining: TACI as precipitated brown signal with
 hematoxylin blue nuclear counterstain.

Western Blot

Western Blot of TACI antibody. Lane 1: K562 cell lysate.
 Lane 2: U937 cell lysate. Load: 35 µg per lane. Primary
 antibody: TACI antibody at 5 µg/mL for overnight at 4°C.
 Secondary antibody: Peroxidase rabbit secondary antibody
 at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at
 4°C. Predicted/Observed size: 30.2 kDa, 32 kDa for TACI.
 Other band(s): TACI splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.