

Anti-APRIL (ED2) TALL-2, TRDL-1 Polyclonal Antibody

CATALOG No.: PX219A **SIZE:** 100 µg
PX219B **SIZE:** 0.5 mg

BACKGROUND:

Members in the TNF superfamily regulate immune responses and induce apoptosis. A novel member in the TNF family was recently identified by several groups and designated APRIL (for a proliferation-inducing ligand), TALL-2 (for TNF- and ApoL-related Leukocyte-expressed Ligand 2), and TRDL-1 α (for TNF related death ligand 1 α) in human and mouse (1-4). Two receptors for APRIL were recently identified and designated TACI and BCMA (5-7). APRIL stimulates B and T cell proliferation, triggers humoral immune responses, activates NF- κ B, and induces cell death (1-7). APRIL and its close relative of BlyS and their receptors BCMA and TACI are involved in diseases of autoimmunity and cancer (8,9).

SOURCE:

Rabbit anti-APRIL (ED2) polyclonal antibody was raised against a synthetic peptide (CIRSMPSHPD RAYNS) corresponding to amino acids 196 to 210 of human APRIL (1-3).

APPLICATION:

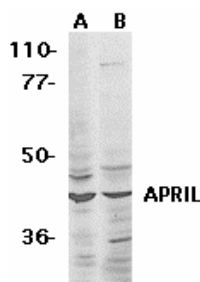
This antibody can be used for detection of APRIL by Western blot at 2-4 µg/ml. HL60 or Jurkat cell lysate can be used as positive control and an approximately 42 kDa band can be detected.

STORAGE:

It is supplied as immunoaffinity chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

RELATED PRODUCT:

Blocking peptide, 50 µg/250 µl, is available for competition studies. HL60 cell lysate, 100 µg at 2 mg/ml, is available for positive control.



Western blot analysis of APRIL expression in Jurkat cell lysates in the absence (A) or presence (B) of blocking peptide with anti-APRIL at 2 µg/ml.

REFERENCES:

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7. Rennett P, Schneider P, Cachero TG, et al. A soluble form of B cell maturation antigen, a receptor for the tumor necrosis factor family member APRIL, inhibits tumor cell growth. *J Exp Med.* 2000;192(11):1677-84.
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CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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