

## Anti-APRIL (human) Monoclonal Antibody (Aprily-8)

Catalog Number: M02417

### About TNFSF13

This monoclonal antibody recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

### Overview

Product Name	Anti-APRIL (human) Monoclonal Antibody (Aprily-8)
Reactive Species	Human
Description	Boster Bio Anti-APRIL (human) Monoclonal Antibody (Aprily-8) catalog # M02417. Tested in Flow Cytometry, IP, IF, IHC, WB applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IP, IF, IHC, WB
Clonality	Monoclonal Aprily-8
Formulation	Liquid. In PBS containing 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	O75888

### Technical Details

Immunogen	Recombinant human APRIL (aa 93-233) .
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid. In PBS containing 0.02% sodium azide.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution

	procedure.
Purification	-
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Optimal conditions must be determined individually for each application.</p>

## Anti-APRIL (human) Monoclonal Antibody (Aprily-8) (M02417) Images

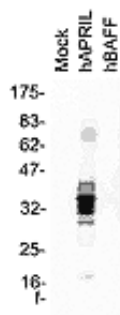


Figure 1. Western blot analysis of TNFSF13 using anti-TNFSF13 antibody (M02417). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TNFSF13 antigen affinity purified polyclonal antibody (Catalog # M02417) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1021) with Tanon 5200 system. A specific band was detected for TNFSF13.

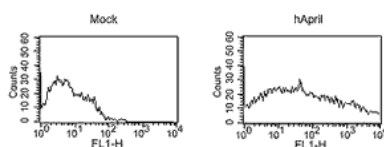


Figure 2: FACS analysis of cells with MAb to APRIL (Aprily-8). Method: HEK 293 cells were mock transfected or transfected with an expression plasmid coding for a non-cleavable human APRIL. Cells (5x10<sup>5</sup>) were incubated on ice for 30 min. in 50

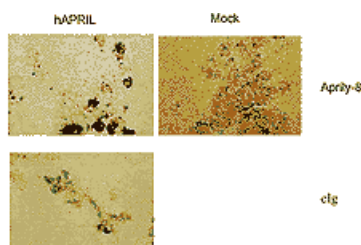


Figure 3: Immunostaining of HEK 293 cells transfected with a human APRIL expression plasmid (left panels), or mock transfected (right panel) by Aprily-8. Method: 3 days after transfection of cells with the indicated constructs, cells were fixed with 4% formaldehyde 5 min. at RT. After a wash in PBS, samples were dehydrated by washes in 60%, 80%, 90%, 100% EtOH and xylol. Cells were then dried and embedded in paraffin. Sections were cut, mounted on slides and dried overnight at 50°C. Slides were then successively washed 2x 10 min. in xylol, 2x 10 min. in 100% ethanol, and then treated 10 min. in 100% methanol/0.6% H<sub>2</sub>O<sub>2</sub> to inhibit endogenous peroxidase. Samples were rehydrated by washes in 90%, 80%, 60% ethanol

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