# PRODUCT DATA SHEET

**Product:** **Anti-APRIL, clone Sacha-2**

**Cat. No.:** **MC-092 (100 µg)**

### Synonyms:
A-Proliferation-inducing Ligand, CD256, TNFSF 13.

### Specificity:
Recognizes human and mouse APRIL.

### Species Reactivity:
Human and mouse. Others species not tested.

### Ig Isotype:
Rat $IgG_{2a}$

### Immunogen:
Recombinant human APRIL (aa 105-250) fused to human ACRP30 *headless* (aa 16-108).

### Format:
100 µL of a 1 mg/mL solution of antibody purified from concentrated hybridoma tissue culture supernatant. Antibody is in PBS with 0.02% sodium azide. >95% purity as determined by SDS-PAGE.

### Storage:
Store at 4°C.

### Applications:
- ELISA (capture)
- Flow cytometry
- Immunocytochemistry

The optimal dilution for a specific application should be determined by the researcher.

### Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

### Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.

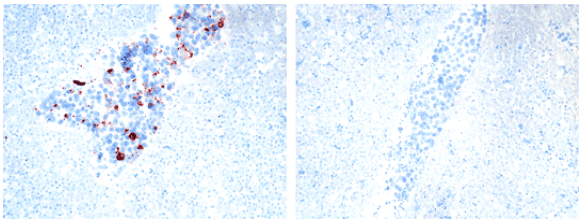

Figure 1: Immunocytochemistry on a frozen section of HEK-293T cells transfected with a human APRIL expression plasmid (left) or mock transfected (right).
Method: HEK-293T cells expressing surface membrane associated human APRIL (aa 92-233) or a mock control were injected in chicken liver and frozen in OCT. 8 µm sections of injected frozen liver were fixed in acetone, washed in PBS and incubated with anti-APRIL (MC-092) at 10 µg/mL for 1 hour after blocking in PBS/1% BSA. Human APRIL was revealed with 3-amino-9-Ethyl-carbazole (AEC) following 45 minutes incubation with goat anti-rat HRP.

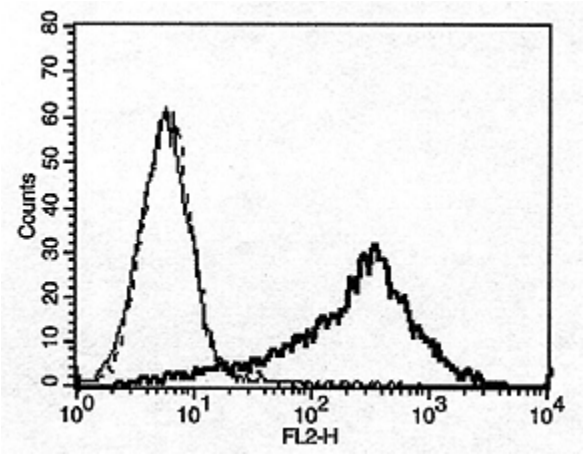


Figure 2: Antibody MC-092 detects membrane-bound human APRIL by FACS.
Method: HEK 293T cells (5 x $10^5$) were mock transfected (thin line) or transfected with an expression plasmid enabling surface expression of mouse APRIL (thick line). Cells were incubated on ice for 30 min in 50 µL FACS buffer (PBS, 5% Fetal calf serum, 0.02% sodium azide) containing 1 µg/mL of anti-APRIL (MC-092). After washing in FACS buffer, PE-conjugated antibody to rat IgG was added. Cells were incubated on ice for 30 minutes, washed and then analyzed by flow cytometry.