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## Recombinant Murine APRIL

**Description:** APRIL, a member of the TNF superfamily, is expressed in monocytes, macrophages, certain transformed cell lines, certain cancers of colon, and lymphoid tissues. APRIL, along with another TNF family member, BAFF, compete for two receptors, TACI and BCMA. APRIL has the ability to stimulate proliferation of various tumor cell lines including Jurkat T cells and MCF-7 carcinoma cells. Like BAFF, APRIL also stimulates the proliferation of B and T cells. The human APRIL gene codes for at least four alternatively spliced transcriptional variants, which give rise to different isoforms of the APRIL precursor protein. All isoforms can be cleaved by the protease, furin, to release a soluble C-terminal fragment, which comprises the TNF like receptor binding of the APRIL precursor. Recombinant murine APRIL is a soluble 21.9 kDa protein, consisting of 192 amino acid residues.

<b>Source:</b>	E. coli
<b>Molecular Weight:</b>	21.9 kDa
<b>Purity:</b>	> 98% by SDS-PAGE and HPLC
<b>Endotoxin level:</b>	< 0.1 ng per µg of APRIL
<b>Stabilizer:</b>	none
<b>Formulation:</b>	lyophilized

**Biological Activity:** Measured by its ability to induce cell proliferation of activated T cells.

**Reconstitution:** The murine APRIL should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.

**Stability:** The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted murine APRIL should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

**Usage:** Murine APRIL offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** M10-050

**Size:** 20 µg

**\*\*please note: always centrifuge product before opening Vial.\*\***