

## Recombinant Murine Tnfsf13

**Cat. No.** Tnfsf13-930M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant murine APRIL produced in E.coli is a soluble 21.9 kDa protein, consisting of 192 amino acid residues.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<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.

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<b>Biologically Activity</b>	Measured by its ability to induce cell proliferation of activated T cells.
<b>Reconstitution</b>	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.
<b>Stability</b>	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.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Tnfsf13 tumor necrosis factor (ligand) superfamily, member 13 [ Mus musculus ]</a>
<b>Synonyms</b>	Tnfsf13; tumor necrosis factor (ligand) superfamily, member 13; APRIL; TALL2; TRDL1; Tnfsf12; MGC106105; 2310026N09Rik; tumor necrosis factor (ligand) superfamily, member 12
<b>Gene ID</b>	<a href="#">69583</a>
<b>mRNA Refseq</b>	<a href="#">NM_001159505</a>
<b>Protein Refseq</b>	<a href="#">NP_001152977</a>
<b>UniProt ID</b>	<a href="#">Q9D777</a>
<b>Chromosome Location</b>	11
<b>Pathway</b>	Cytokine-cytokine receptor interaction

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**Function**

cytokine activity; tumor necrosis factor receptor binding

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