

Recombinant Murine Tnfsf13

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

SPECIFICATION

Product Overview	Recombinant murine APRIL produced in E.coli is a soluble 21.9 kDa protein, consisting of 192 amino acid residues.
Species	Mouse
Source	E.coli
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.
Purity	> 98% by SDS-PAGE and HPLC.
Endotoxin level	< 0.1 ng per µg of APRIL.
Stabilizer	None.
Formulation	Lyophilized.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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Function

cytokine activity; tumor necrosis factor receptor binding

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