



Recombinant Human APRIL

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-379
Size:	10 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	8741
Synonyms:	TNFSF13; APRIL; CD256; TALL2; ZTNF2; TALL-2; TRDL-1; UNQ383/PRO715

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 human APRIL is a soluble 16.3 kDa protein, consisting of 146 amino acid residues.

Sequence

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AVLTQKQKKQ HSVLHLVPIN ATSKDDSDVT EVMWQPALRR  
GRGLQAQGYG VRIQDAGVYL LYSQVLFQDV TFTMGQVVS  
EGQGRQETLF RCIRSMPSHP DRAYNSCYSA GVFHLHQGDI  
LSVII PRARA KLNLSPHGTF LGFVKL
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Database References

Protein RefSeq:	NP_003799.1
Uniprot ID:	O75888
mRNA RefSeq:	NM_003808.3

Product Specifications

Expressed in	Insect cells
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	146
MW:	16.3 kDa

Biological Activity: Tested by its ability to induce IgM secretion by CpG/CD40L treated human naive B cells, at a concentration of 500 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!