

RELIATech GmbH
Lindener Str. 15
38300 Wolfenbüttel
Germany

Tel.: +49 5331 8586 987
Fax: +49 5331 8586 989
Email: info@reliatech.de
web: www.reliatech.de

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

Source:	Insect cells
Molecular Weight:	16.3 kDa
Purity:	>95% by SDS-PAGE and HPLC analysis
Endotoxin level:	< 0.1 ng per µg of April
Formulation:	lyophilized

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.

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

Usage: Human April is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-379	Size: 10 µg
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**** Please note: always centrifuge vials before opening! ****