APRIL Murine E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Murine
Other names: TNF 13, TALL 2, TRDL 1, CD256 antigen , A Proliferation-Inducing Ligand, TNFSF13, TRDL-1alpha

Cat. No.:

RBG20054005	(5 µg)
RBG20054020	(20 µg)
RBG20054100	(100 µg)

Description

APRIL, a member of the TNF superfamily, is expressed in monocytes, macrophages, certain transformed cell lines, certain cancers of the colon, and lymphoid tissues. APRIL, along with another TNF family member, BAFF, competes 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.

Introduction to the Molecule

APRIL is a member of the tumor necrosis factor family. APRIL appears to play a role in T-independent type II antigen responses and T cell survival, but can also induce proliferation/survival of nonlymphoid cells. Local production of APRIL was found in arthritic joints of patients with inflammatory arthritis.

Research topic

Apoptosis, Cytokines and chemokines and related molecules, Oncology

Amino Acid Sequence

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MRREVSRLQR SGGPSQKQGE RPWQSLWEQS PDVLEAWKDG AKSRRRRAVL TQKHKKKHSV LHLVPVNITS KDSDVTEVMW
QPVLRRGRGL EAQGDIVRVW DTGIYLLYSQ VLFHDVTFTM GQVVSREGQG RRETLFRCIR SMPSDPDRAY NSCYSAGVFH
LHQGDIITVK IPRANAKLSL SPHGTFLGFV KL
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Source

E. coli

Purity

98%

Biological Activity

Measured by its ability to induce cell proliferation of activated T cells.

Storage, Stability/Shelf Life

-20°C

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