APRIL Human Hi-5 Insect cells

Product Data Sheet

Type: Recombinant
Source: Hi-5 Insect cells
Species: Human
Other names: TNF 13, TALL 2, TRDL 1, CD256 antigen , A Proliferation-Inducing Ligand, TNFSF13, TRDL-1alpha

Cat. No.:

RBG10066002	(2 µg)
RBG10066010	(10 µg)
RBG10066100	(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 human APRIL is a soluble 16.3 kDa protein, consisting of 146 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

```
AVLTQKQKKQ HSVLHLVPIN ATSKDDSDVT EVMWQPALRR GRGLQAQGYG VRIQDAGVYL LYSQVLFQDV TFTMGQVVSR
EGQGRQETLF RCIRSMPSHP DRAYNSCYSA GVFHLHQGDI LSVIIPRARA KLNLSPHGTF LGFVKL
```

Source

Hi-5 Insect cells

Purity

95%

Biological Activity

Measured by its ability to induce cell death in Jurkat cells.

Storage, Stability/Shelf Life

-20°C

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: Web:	info@biovendor.com sales@biovendor.com www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail:	infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail:	infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail:	infoUSA@biovendor.com