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APRIL, Mouse recombinant protein
A Proliferating-inducing Ligand, TNFSF13, TRDL-1α
Catalog # PBV10753r

Specification

APRIL, Mouse recombinant protein - Product info

Primary Accession	Q9D777
Calculated MW	**21.9 kDa KDa**

APRIL, Mouse recombinant protein - Additional Info

Gene ID	**69583**
Gene Symbol	**APRIL**

Other Names
A Proliferating-inducing Ligand, TNFSF13, TRDL-1α

Gene Source	**Mouse**
Source	**E.coli**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Sequence	**MRREVSRLQR SGGPSQKQGE RPWQSLWEQS PDVLEAWKDG AKSRRRRAVL TQKHKKKHSV LHLVPVNITS KDSDVTEVMW QPVLRRGRGL EAQGDIVRVW DTGIYLLYSQ VLFHDVTFTM GQVVSREGQG RRETLFRCIR SMPSDPDRAY NSCYSAGVFH LHQGDIITVK IPRANAKLSL SPHGTFLGFV KL**

Target/Specificity
APRIL

Application Notes
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 5 and 100 mM Arginine.

APRIL, Mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APRIL, Mouse recombinant protein - Images

APRIL, Mouse recombinant protein - Background

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. ARPIL 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.

APRIL, Mouse recombinant protein - References

Yu G.,et al.Nat. Immunol. 1:252-256(2000).
Carninci P.,et al.Science 309:1559-1563(2005).
Planelles L.,et al.Cancer Cell 6:399-408(2004).
Hymowitz S.G.,et al.J. Biol. Chem. 280:7218-7227(2005).