
Product Data Sheet

Product Name: APRIL Mouse
 Cat. No.: GP20070
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Tumor necrosis factor ligand superfamily member 13; A proliferation-inducing ligand; APRIL; CD256; Tnfsf13; April.		
Amino Acid Sequence	AVLTQKHKKK HSVLHLVPVN ITSKADSDVT EVMWQPVLRR GRGLEAQGDI VRVWDTGIYL LYSQVLFHDV TFTMGQVVSER EGQGRRETLF RCIRSMPSDP DRAYNSCYSA GVFHLHQGDI ITVKIPRANA KLSLSPHGTF LGFVKL.		
Solubility	It is recommended to reconstitute the lyophilized APRIL in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4, with 0.02 % Tween-20.		

Introduction

APRIL which is a part of the TNF ligand superfamily (TNFSF13) is a type II transmembrane protein. Normally, APRIL expression is low in tissues, but is elevated in numerous types of tumors and transformed cell lines. APRIL stimulates proliferation of tumor cell lines and intensifies tumorigenicity in nude mice.

Biological Activity

Determined by a cell proliferation assay using activated T cells.

Stability

Lyophilized APRIL although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution APRIL should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

APRIL Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.4 kDa. The APRIL is purified by proprietary chromatographic techniques.

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