9051 Mira Mesa Blvd, #910094
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APRIL Human

APRIL Human Recombinant
CYK0060

Product Overview

Name	APRIL Human
Description	
APRIL Human Recombinant	
Accession (Primary)	O75888
Synonyms	
Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, APRIL, TNF- and APOL-related leukocyte expressed ligand 2, TALL-2, TNF-related death ligand 1, TRDL-1, CD256, TNFSF13, TALL2, ZTNF2, UNQ383/PRO715.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
APRIL protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MASMTGGQQM GRGSHM AVLT QKQKKQHSVL HLVPINATSK DDSDVTEVMW QPALRRGRGL QAQGYGVRIQ DAGVYLLYSQ VLFQDVTFTM GQVVSREGQG RQETLFRCIR SMPSHPDRAY NSCYSAGVFH LHQGDILSVI IPRARAKLNL SPHGTFLGL.	
Background	
APRIL Human Recombinant: Expanding the Horizons of Immunotherapy Abstract: APRIL (A Proliferation-Inducing	

Ligand) is a promising molecule within the tumor necrosis factor (TNF) superfamily that plays a pivotal role in immune regulation. This research paper provides an overview of APRIL human recombinant, exploring its potential applications in immunotherapy. Understanding the mechanisms and therapeutic implications of APRIL holds promise in the field of immune-related disorders. This article presents a concise analysis of APRIL, highlighting its potential as a therapeutic target. Introduction: Immunotherapy has revolutionized the treatment of various diseases by harnessing the power of the immune system. APRIL, a member of the TNF superfamily, has emerged as a potential candidate for immunotherapeutic interventions. This paper provides an overview of APRIL, shedding light on its structure, function, and potential applications in immunotherapy. APRIL Structure and Function: APRIL is a transmembrane protein that can be proteolytically cleaved, leading to the generation of soluble forms. It interacts with its receptors, such as BCMA and TACI, to regulate immune responses. APRIL influences B-cell activation, proliferation, and antibody production, making it a compelling target for immunotherapeutic strategies. Immunotherapeutic Applications of APRIL Human Recombinant: APRIL human recombinant holds great potential in immunotherapy. By modulating APRIL activity, it may be possible to enhance immune responses against cancer cells or dampen immune dysregulation in autoimmune disorders. Additionally, APRIL-based therapeutics could be developed to target specific immune cell populations or enhance the efficacy of existing immunotherapies. Challenges and Future Directions: Although APRIL shows promise, there are challenges to overcome. Further research is needed to elucidate the precise mechanisms of APRIL-mediated immune regulation and identify optimal therapeutic approaches. Additionally, safety considerations and potential side effects must be thoroughly evaluated. Conclusion: APRIL human recombinant represents a valuable tool for advancing immunotherapy. Understanding the structure, function, and therapeutic potential of APRIL opens up new avenues for treating immune-related disorders. Continued research and development in this field have the potential to revolutionize the landscape of immunotherapy, improving patient outcomes and expanding the possibilities for personalized medicine.

Precautions

APRIL Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75888)

Background

APRIL Human Recombinant: Expanding the Horizons of Immunotherapy Abstract: APRIL (A Proliferation-Inducing Ligand) is a promising molecule within the tumor necrosis factor (TNF) superfamily that plays a pivotal role in immune regulation. This research paper provides an overview of APRIL human recombinant, exploring its potential applications

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