Datasheet for ABIN935207

TNFSF13 Protein

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Overview

Quantity:	20 µg
Target:	TNFSF13
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MRREVSRLQR SGGPSQKQGE RPWQSLWEQS PDVLEAWKDG AKSRRRRAVL TQKHKKKHSV LHLVPVNITS KDSDVTEVMW QPVLRRGRGL EAQGDIVRVW DTGIYLLYSQ VLFHDVTFTM GQVVSREGQG RRETLFRCIR SMPSDPDRAY NSCYSAGVFH LHQGDIITVK IPRANAKLSL SPHGTFLGFV KL
Characteristics:	Purified recombinantMouse APRIL protein Expression System: E.coli Bioactivity: Measured by its ability to induce cell proliferation of activated T cells.
Purity:	> 98 % pure

Target Details

Target:	TNFSF13
Alternative Name:	APRIL (TNFSF13 Products)
Background:	APRIL, a member of the TNF superfamily, is expressed in monocytes, macrophages, certain

Target Details

	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. 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. Alternative Names: Mouse APRIL protein, A Proliferating-inducing Ligand protein, TRDL-1 alpha protein, TNFSF13 protein, TRDL-1a protein
Molecular Weight:	21.9 kDa
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Restore in water to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	Lyophilized from 10 mM NaC2H3O2, pH 5.0, with 100 mM Arginine.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.