

Datasheet for ABIN1344410
TNFSF13 Protein (AA 18-110, Extracellular Domain)
(DYKDDDDK Tag)



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1 Publication

Overview

Quantity:	10 µg
Target:	TNFSF13
Protein Characteristics:	AA 18-110, Extracellular Domain
Origin:	Human, Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF13 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Brand:	MegaAPRIL™
Specificity:	Binds to human and mouse BCMA and TACI. Binds to proteoglycans.
Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	The extracellular domain of mouse APRIL (aa 88-232) is fused at the N-terminus to mouse ACRP30headless (aa 18-110) and a FLAG®-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.02EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	TNFSF13
Alternative Name:	APRIL (TNFSF13 Products)
Background:	APRIL is a cytokine that belongs to the TNF superfamily and binds to TACI and BCMA. It is implicated in the regulation of tumor cell growth, is involved in monocyte/macrophage-mediated immunological processes and functions as an important survival factor for plasmablasts and bone marrow plasma cells. MultimericAPRIL™ is a high activity construct in which two trimeric APRIL ligands are artificially linked via the collagen domain of ACRP30. This construct very effectively stimulates proliferation B cell. A basic amino acid sequence (QKQKKQ) close to the N-terminus of APRIL is required for binding to negatively charged sulfated glycosaminoglycan side chains of proteoglycans. Proteoglycans mediate binding of APRIL to tumor cells as well as primary lymphoid cells.
Molecular Weight:	~34kDa (SDS-PAGE)
UniProt:	Q9D777
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Stimulates B cell proliferation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS + 0.5 % Trehalose.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

Publications

Product cited in: Richter, Richter, Mehta, Gribble, Sutherland-Smith, Stowell, Print, Ronimus, Wilson: "Expression and role in glycolysis of human ADP-dependent glucokinase." in: **Molecular and cellular biochemistry**, Vol. 364, Issue 1-2, pp. 131-45, (2012) ([PubMed](#)).