

## TNFSF13

### Recombinant Mouse Multimeric APRIL

<b>Catalog No.</b>	CRM032	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	April, Tall2, Trd11		
<b>Description:</b>	<p>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. Multimeric APRIL 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. Mouse APRIL aa 88-232 is fused at the N-terminus to mouse collagen domain of ACRP30 (aa18-111) and a FLAG tag.</p>		
<b>Concentration:</b>	0.1 mg/ml after reconstitution		
<b>Gene ID:</b>	Mouse APRIL: 69583; Mouse ACRP30 (adiponectin): 11450		
<b>Protein Accession No:</b>	Mouse APRIL: Q9D777; Mouse ACRP30 (adiponectin): Q60994		
<b>Source:</b>	HEK 293 cells		
<b>Molecular Weight:</b>	~34 kDa by SDS-PAGE		
<b>Formulation:</b>	Lyophilized solution containing PBS.		
<b>Purity:</b>	≥95% (SDS-PAGE)		
<b>Endotoxin Level:</b>	<0.02 EU/µg purified protein as determined by LAL test (Lonza).		
<b>Specificity:</b>	Binds to human and mouse BCMA and TACI. Binds to proteoglycans.		
<b>Biological Activity:</b>	Stimulates B cell proliferation.		
<b>Amino Acid Sequence:</b>	FLAG tag + mouse collagen domain of ACRP30 (aa 18-111) + Mouse APRIL (aa 88-232)		
<b>Reconstitution:</b>	Reconstitute with 100µl sterile water.		
<b>Storage &amp; Stability:</b>	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 6 months after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. PBS containing at least 0.1% BSA should be used for further dilutions. <b>Avoid repeated freeze-thaw cycles.</b>		

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