

## Tnfsf13, Adipoq

### Recombinant Mouse Multimeric APRIL, FLAG Tag

<b>Catalog No.</b>	CRM032	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, APRIL, CD256, Adiponectin, Adipocyte complement-related 30 kDa protein, ACRP30		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	Mouse APRIL: Q9D777 Mouse ACRP30 (adiponectin): Q60994		
<b>Protein Construction:</b>	The extracellular domain of mouse APRIL (aa 88-232) is fused at the N-terminus to mouse collagen domain of ACRP30 <del>headless</del> (aa18-111) and a FLAG tag.		
<b>Source:</b>	HEK 293 cells		
<b>Molecular Weight:</b>	~34 kDa by SDS-PAGE		
<b>Formulation:</b>	Lyophilized from PBS with 0.5% trehalose		
<b>Purity:</b>	≥95% (SDS-PAGE)		
<b>Endotoxin Level:</b>	<0.02 EU/µg purified protein as determined by LAL test		
<b>Specificity:</b>	Binds to human and mouse BCMA and TACI. Binds to proteoglycans.		
<b>Biological Activity:</b>	Stimulates B cell proliferation.		
<b>Reconstitution:</b>	<b>Centrifuge vial briefly before opening.</b> Reconstitute with 100µl sterile water for a concentration of 0.1 mg/ml. After reconstitution, prepare aliquots and store at -20°C to -80°C. PBS containing at least 0.1% BSA should be used for further dilutions.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C upon arrival and at -20°C to -80°C for long term. Lyophilized product is stable for at least 6 months after receipt when stored at -20°C to -80°C. Reconstituted stock solution is stable for up to 3 months at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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