# **CHAMOT**

# Recombinant APRIL, Human, Animal-Free

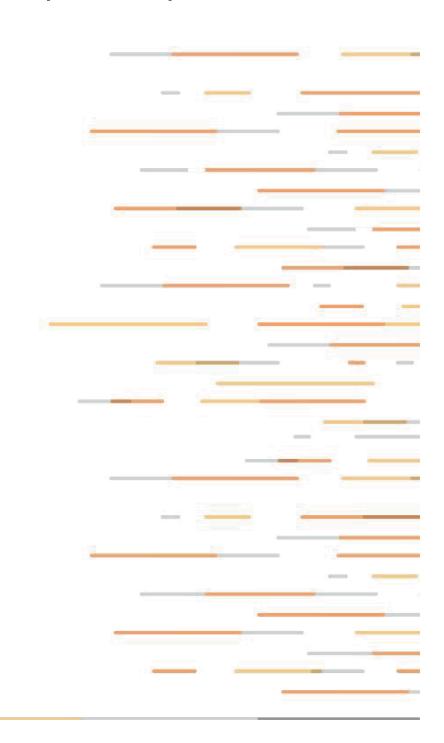
CM048-5HP

CM048-20HP

CM048-100HP

CM048-500HP

CM048-1000HP





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## **Product Datasheet**

# Recombinant APRIL, Human, Animal-Free

Catalog#	CM048-5HP	CM048-20HP	CM048-100HP	CM048-500HP	CM048- 1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

### **Product Specifications**

**Application** 

Cell Culture

Background	APRIL is a member of tumor necrosis factor ligand superfamily that expressed by stromal tissue, macrophages, and T cells. APRIL is a 27.4 kDa protein containing 250 residues, which plays a critical role in modulating tumor progression. Besides, APRIL has been demonstrated to involve in regulating B and T cell survival, proliferation and differentiation via binding with TNFRSF13B/TACI and TNFRSF17/BCMA.		
Synonyms	A proliferation-inducing ligand, TNFSF13, CD256, TALL-2, TALL2, TNLG7B, TRDL-1, UNQ383/PRO715, ZTNF2		
Uniprot ID	AAQ91388		
Molecular Weight	The protein has a calculated MW of 17.29 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).		
Expression System	Escherichia coli		
Purity	>98% as determined by SDS-PAGE.		
Activity	Measured by its ability to induce cell death in Jurkat cells. The ED $_{50}$ for this effect is 2.6-4.0 $\mu g/mL$ .		
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.		
Protein Sequence	MAVLTQKQKKQHSVLHLVPINATSKDDSDVTEVMWQPALRRGRGLQAQGYGVRIQDAGV YLLYSQVLFQDVTFTMGQVVSREGQGRQETLFRCIRSMPSHPDRAYNSCYSAGVFHLHQG DILSVIIPRARAKLNLSPHGTFLGFVKL with polyhistidine tag at the C-terminus.		
Form	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 0.1% sarkosyl in 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.		

### **Product Note**

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

### Storage/Shipping

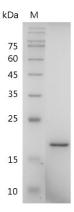
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

### **Scientific Data**



SDS- PAGE analysis of recombinant human APRIL

For Research Use or Further Manufacturing Only

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