

# Recombinant Human APRIL (A proliferation-inducing ligand)

编号: PY2105

规格: 5  $\mu$ g  
20  $\mu$ g  
100  $\mu$ g  
500  $\mu$ g  
1 mg

类别: 重组蛋白

应用: Functional Assay

## 产品简介

**描述:** APRIL (A Proliferation-Inducing Ligand) is a member of the tumor necrosis factor family. APRIL shows high levels of expression in tumors of different origin and low level of expression in normal cells. APRIL shares two TNF receptor family members, TACI and BCMA (or another TNF homolog, BlyS/BAFF) have been reported to play a role in autoimmune disease and cancer. The protein encoded by this gene is a member of the tumor necrosis factor ligand (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vivo experiments suggest an important role for APRIL in the long-term survival of plasma cells in the bone marrow. Mice deficient in APRIL have normal immune system development. However, APRIL-deficient mice have also been reported to possess a reduced ability to support plasma cell survival. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

**来源:** *Escherichia coli*  
**纯度:** >98% as determined by SDS-PAGE.  
Ni-NTA chromatography.



SDS-PAGE analysis of recombinant human APRIL

生物学活性: Measured by its ability to induce cell death in Jurkat cells. The ED<sub>50</sub> for this effect is 2.6-4.0 µg/mL.

内毒素检测: <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列: MAVLTQKQKKQHSLVHLVPINATSKDDSDVTE  
VMWQPALRRGRGLQAQGYGVRIQDAGVYLLY  
SQVLFQDVTFTMGQVVSREGQGRQETLFRICRS  
MPSHPDRAVNSCYSAGVFHLHQGDILSVIIPRA  
RAKLNLSPHGTFLGFVKL with polyhistidine tag at the C-terminus

## 产品组成

成分: 从含有 1X PBS, containing 0.1% sarkosyl , pH 8.0 溶液中冻干的蛋白质.

## 产品储存运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

## 产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于100µg/mL, 不高于1mg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2-8°C无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白(如0.1%BSA、10%FBS或5%HSA)的溶液进一步稀释(不低于10ug/mL)后分装保存, -20°C至-80°C无菌保存3到6个月。无血清实验需求时, 可更换为5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;  
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay