

## PRODUCT INFORMATION SUMMARY

### Human APRIL

( A-Proliferation-Inducing Ligand )

Purified Factor	Product Number	HC411219B	10.0 ug
		HC411219A	2.0 ug

#### DESCRIPTION:

Human APRIL ( also known as TNFSF13) is a protein belonging to the TNF ligand family of membrane proteins. Human APRIL is expressed in high levels in tumor cells, and monocytes, macrophages. The cytokine BAFF and APRIL compete the receptors BCMA and TACI. Recombinant APRIL was found to stimulate proliferation of , Jurkat T cells, and MCF-7 carcinoma cells. Human APRIL is a 16.3 kDa protein with 146 aa. residues.

**SOURCE:** Insect cells: Hi-5  
Purity > 96% by HPLC analysis  
Endotoxin < 0.1 ng per ug APRIL  
Sterile filtered and lyophilized

#### BIOLOGICAL ACTIVITY:

Observed ability to induce IgM production by human B cells, treated with Cpg/CD40L @ APRIL concentration of 500.0 ng/mL

#### HANDLING AND STORAGE:

Purified Human APRIL factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with distilled ( or sterile) water to a concentration of 100 ug/mL, dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein, ie., 0.1%BSA,** at -20° C for long-term storage - up to 3 months, at high concentration.

**Before opening vial,** it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**