

PRODUCT INFORMATION

APRIL (A proliferation-inducing ligand), Human

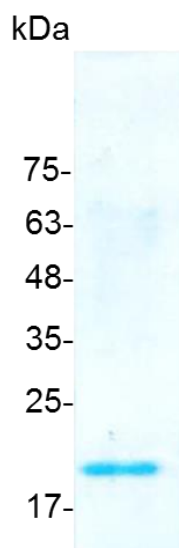
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| Catalog number | C01049-5UG / C01049-20UG / C01049-100UG |
| Package | 5 µg / 20 µg / 100 µg |
| Description | <p>APRIL (A Proliferation-Inducing Ligand) is a member of the tumor necrosis factor family. APRIL shows high levels of expression in tumors 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.</p> |
| Source | <i>Escherichia coli</i> |
| Sequence | MAVLTQKQKKQHSLVHLVLPINATSKDDSDVTEVMWQPALRRRGRGLQAQGYGV RIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFR CIRSMPSHPDRAY NSCYSAGVFHLHQGDILSVIIPRARA KLNLSPHGTFLGFVKL with polyhistidine tag at the C-terminus |
| Endotoxin level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Activity | Measured by its ability to induce cell death in Jurkat cells. The ED ₅₀ for this effect is 2.6-4.0 µg/mL. |
| Purity | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| Formulation | The protein was lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |

Storage

Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.

Note

Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human APRIL

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