

A proliferation-inducing ligand (April), Mouse

Cat.no. PK0048

Product size: 10ug 50ug 1mg

Source: E. coli

Species: Mouse

Biological Activity: Measured by its ability to induce cell proliferation of RPMI 8226 Cells.

Molecular Weight: 21.9kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against 20mM acetic acid.

Reconstitution: Reconstituted in ddH₂O at 100 µg/ml.

Purity: >95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: <0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant mouse A Proliferation-inducing Ligand (rmApril) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rmApril should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.

Description: A Proliferation-inducing Ligand (April) also known as TNSF13A, Tall-2, and TRDL-1, is a member of the TNF ligand (TNFL) superfamily. April is most similar to B-cell activation factor (BAFF) with which it shares 30% sequence identity, compete for two receptors, TACI and BCMA. APRIL is expressed at low levels in lymphoid tissue and is over-expressed by a number of tumors. April has a proliferative effect on both normal and tumor cell lines in vitro and in vivo. APRIL seems to be involved in the regulation of death and proliferation of tumor cells, but there are still contradictory findings regarding its overall biological effects. Recombinant mouse A Proliferation-inducing Ligand (rmApril) produced in E. coli is a single non-glycosylated polypeptide chain containing 192 amino acids.

Amino Acid Sequence:

00001 MRREVSRLQR SGGPSQKQGE RPWQSLWEQS PDVLEAWKDG

00041 AKSRRRAVL TQKHKKKHSV LHLVPVNITS KSDSVTEVMW

00081 QPVLRRGRGL EAQGDIVRVW DTGIYLLYSQ VLFHDVTFTM

00121 GQVVSREGQG RRETLFRCIR SMPSPDRAY NSCYSAGVFH

00161 LHQGDITVK IPRANAKLSL SPHGTFLGFV KL

Synonyms: Tumor necrosis factor ligand superfamily member 13, A proliferation-inducing ligand, APRIL, TNF- and APOL-related leukocyte expressed ligand 2, TALL-2, TNF-related death ligand 1, TRDL-1, CD256, TNFSF13, APRIL, TALL2, ZTNF2, UNQ383/PRO715

Note: For research use only, not for use in diagnostic procedure.