

APRIL/TNFSF13/TRDL-1 α (N-Flag-His), Human, Recombinant

Cat. No. : PCK107

General Information

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
Species	Human
Expression host	Human Cells
Sequence	Lys112-Leu250
Accession	O75888
Mol mass	50 kDa
Expiration date	12 months
Bio activity	Immobilized Human APRIL -Flag-His at 1 μ g/mL (100 μ L/well) can bind Cynomolgus BCMA-Fc. The ED50 of Cynomolgus BCMA-Fc is 4.23 ng/mL.

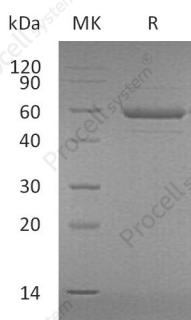
Product feature

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 1 M NaCl, pH 8.3.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

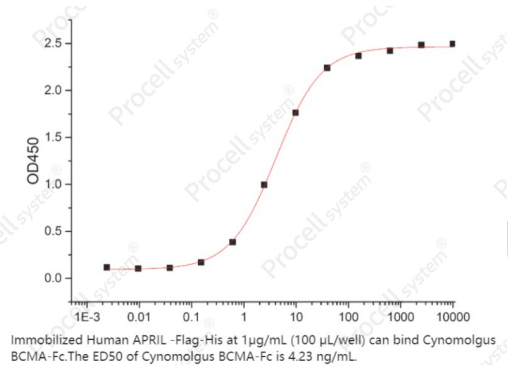
Background

APRIL (a proliferation-inducingLigand), also known as TNFSF13, TALL2, TRDL1, and CD256, is a member of the TNF Ligand superfamily. It is synthesized as a 32 kDa pro Protein which is cleaved by furin in the Golgi to release the active 17 kDa soluble molecule. Secreted human APRIL, which consists almost entirely of a single TNF homology domain, shares 85% amino acid sequence identity with mouse and rat APRIL. Both APRIL and its close relative BAFF bind and signal through the TNF superfamily Receptors TACI and BCMA, while BAFF additionally functions through BAFF R. APRIL binds to heparan sulfate proteoglycans (HSPGs) independently of its binding to TACI and BCMA.

SDS-PAGE



Bio activity

Procell[®]systemProcell[®]system