

APRIL/TNFSF13 Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	TRDL-1;TNFSF13;CD256;TALL-2;A proliferation-inducing ligand
Protein Construction:	Ala96-Leu240
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	AAG22534.1
Molecular Weight:	50-60 KDa (reducing condition)
AA Sequence:	Ala96-Leu240

QC Testing

Biological Activity:	Loaded Human BCMA-His on HIS1K Biosensor, can bind Mouse APRIL-Fc with an affinity constant of 0.14 nM as determined in BLI assay. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 8% Sucrose, 0.05% Tween 80, pH 6.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumor necrosis factor ligand superfamily member 13 belongs to the tumor necrosis factor family. It is also known as APRIL, TALL2, TRDL1, and CD256. It is synthesized as a 32 kDa proprotein which is cleaved by furin in the Golgi to release the active 17 kDa soluble molecule. TNFSF13 is a Cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA and plays a role in the regulation of tumor cell growth. It expressed at high levels in transformed cell lines, cancers of colon, thyroid, lymphoid tissues and specifically expressed in monocytes and macrophages.

A DRUG SCREENING EXPERT

Its expression by CD4+ T cells inhibits the production of Th2 cytokines and allergic inflammation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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