

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human B-Cell Maturation Antigen (rHuBCMA)

Catalog Number: PR1005

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

BCMA, a member of the TNF receptor superfamily, binds to BAFF and APRIL. BCMA is expressed on mature B-cells and other B-cell lines and plays an important role in B cell development, function and regulation. BCMA also has the capability to activate NF-kappaB and JNK. The human BCMA gene codes for a 184 amino acid type I transmembrane protein, which contains a 54 amino acid extracellular domain, a 23 amino acid transmembrane domain, and a 107 amino acid extracellular domain.

Molecular Weight:

Approximately 5.3 KDa, a single non-glycosylated polypeptide chain containing 50 amino acids.

Purity:

>98% by SDS-PAGE and HPLC analyses.

Biological Activity:

Data Not Available.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 30% acetonitrile, 0.1% TFA.

AA Sequence:

A G Q C S Q N E Y F D S L L H A C I P C Q L R C S S N
T P P L T C Q R Y C N A S V T N S V K G T N A

Endotoxin:

Less than 1EU/mg of rHuIL-1α as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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