Technical Data Sheet

Recombinant Human B-Cell Maturation Antigen (rHu BCMA)

Human B-Cell Maturation Antigen

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.

Catalog Number:	RC214-21
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 5.3 KDa, a single non-glycosylated polypeptide chain containing 50 amino acids.
Quantity:	5ug/20ug/1mg
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:	AGQCSQNEYF DSLLHACIPC QLRCSSNTPP LTCQRYCNAS VTNSVKGTNA
Endotoxin:	Less than 1EU/μg 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 Bio Basic Inc. for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE**.

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