

BCMA

Catalog # PVGS1063

Product Information

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| Primary Accession Species | Q02223 Human |
| Sequence | Ala5-Ala54 |
| Purity | > 98% as analyzed by SDS-PAGE > 98% as analyzed by HPLC |
| Endotoxin Level | |
| Biological Activity | Fully biologically active when compared to standard. The ED ₅₀ as determined by its ability to inhibit APRIL-mediated proliferation of anti-IgM stimulated murine B cells is no less than 40.0 ng/ml, corresponding to a specific activity of $> 2.5 \times 10^4$ IU/mg in the presence of 100.0 ng/ml human APRIL. |
| Expression System | E. coli |
| Theoretical Molecular Weight | 5.4 kDa |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in 30% acetonitrile, 0.1% TFA. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. |
| Reconstitution | |
| Storage & Stability | Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles. |

Additional Information

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| Gene ID | 608 |
| Other Names | Tumor necrosis factor receptor superfamily member 17, B-cell maturation protein, CD269, TNFRSF17, BCM, BCMA |
| Target Background | 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. |

Protein Information

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| Name | TNFRSF17 |
| Synonyms | BCM, BCMA |
| Function | Receptor for TNFSF13B/BlyS/BAFF and TNFSF13/APRIL. Promotes B-cell survival and plays a role in the regulation of humoral immunity. Activates NF-kappa-B and JNK. |
| Cellular Location | Cell membrane; Single-pass type III membrane protein. Endomembrane system; Single-pass type III membrane protein Note=Perinuclear Golgi-like structures |
| Tissue Location | Expressed in mature B-cells, but not in T-cells or monocytes |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.