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Product Datasheet

Recombinant Human BCMA (C-Fc) EBT-EPT174

Article Name	Recombinant Human BCMA (C-Fc)
Biozol Catalog Number	EBT-EPT174
Supplier Catalog Number	EPT174
Alternative Catalog Number	EBT-EPT174-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human B-cell Maturation Protein is produced by our Mammalian expression system and the target gene encoding Met1-Ala54 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 32.8 KDa. Apparent molecular weight: 38-40 KDa, reducing conditions
UniProt	Q02223
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Loaded Mouse BAFF-mFc(CatC06U) on AMC Biosensor, can bind Human BCMA-Fc(CatCS79) with an affinity constant of 0.44 nM as determined in BLI assay.. Background: B cell maturation protein (BCMA) is a type III membrane protein which belongs to the TNF receptor superfamily (TNFRSF17). BCMA contains one extracellular cysteine rich domain, as well as TACI. Human BCMA is a 184 amino acid (aa) protein consisting of a 54 aa extracellular domain, a 23 aa transmembrane domain, and a 107 aa intracellular domain. Mouse and human BCMA share 62% amino acid identity. BCMA is mainly expressed in immune organs and mature B cell lines. BCMA appears to be localized to the Golgi compartment. BCMA may play an important role in B cell development, function and regulation.
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