

Biotinylated Human BCMA Protein; His-Avi Tag

Product Information

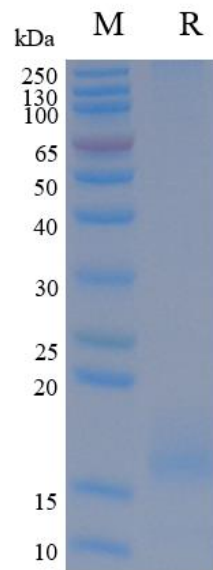
Product Name	Biotinylated Human BCMA Protein; His-Avi Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88238RP-25 / 25 μg GM-88238RP-200 / 200 μg

Protein Information

Alternative Names	TNFRSF17, CD269, BCM, BCMA
Source	Biotinylated Human BCMA Protein; His-Avi Tag (GM-88238RP) is expressed from human 293 cells (HEK-293). It contains AA Met 1 - Ala 54 (Accession # Q02223-1). This protein carries a His-Avi tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	8.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	B-cell maturation antigen (BCMA; TNFRSF17) is a transmembrane receptor on mature B cells and plasma cells. It supports long-lived plasma cell survival in the bone marrow and belongs to the TNF receptor superfamily. BCMA binds APRIL and BAFF, with higher affinity for APRIL, activating signaling that promotes survival, immunoglobulin production, and plasma cell differentiation. Given its enrichment in malignant plasma cells, BCMA is a promising target in multiple myeloma for therapies such as antibody-drug conjugates, bispecific T-cell engagers, and CAR-T cells. TRAF adaptor proteins trigger canonical and non-canonical NF-κB, driving expression of survival genes and niches supporting plasma cell longevity. MAPK (ERK/JNK/p38) modulates proliferation, differentiation, and cytokines. BCMA can also influence PI3K/Akt signaling in some contexts, supporting metabolism and anti-apoptosis. Because BCMA signaling aids malignant plasma cell survival, disrupting this axis—by ligand sequestration, receptor blockade, or direct BCMA targeting—can reduce tumor burden and boost anti-tumor immunity.

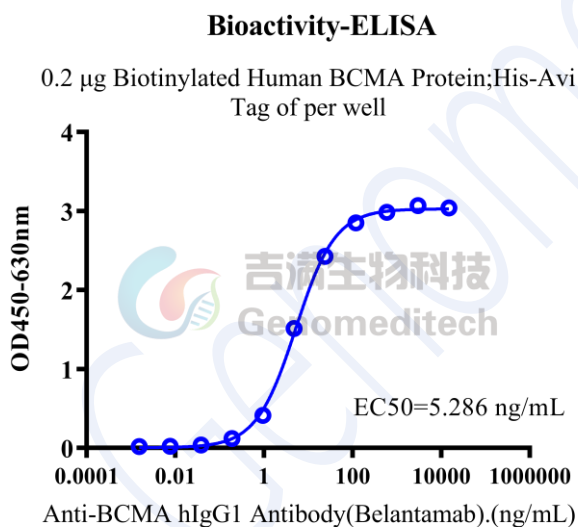
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SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Biotinylated Human BCMA Protein; His-Avi Tag (Catalog # GM-88238RP) was immobilized at 2 µg/ml (100 µL/well) on streptavidin precoated. Increasing concentrations of Anti-BCMA hIgG1 Antibody(Belantamab) (Catalog # GM-52396AB) were added.