

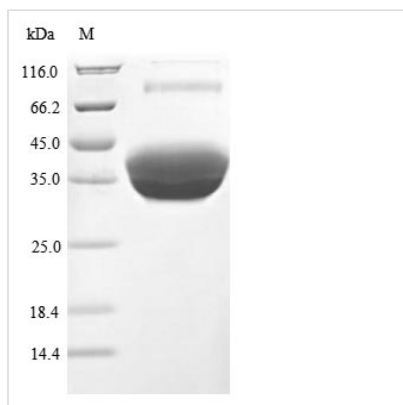


Recombinant Human Tumor necrosis factor receptor superfamily member 17 (TNFRSF17), partial (Active)

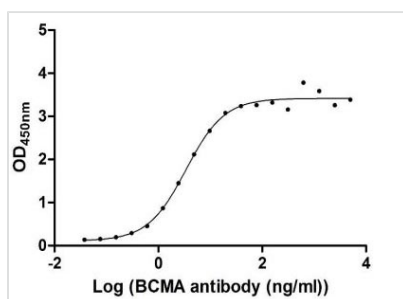
Product Code	CSB-MP023974HU1
Relevance	Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. Promotes B-cell survival and plays a role in the regulation of humoral immunity. Activates NF-kappa-B and JNK.
Abbreviation	Recombinant Human Tnfrsf17 protein, partial (Active)
Uniprot No.	Q02223
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized BCMA at 2 µg/ml can bind Anti-BCMA recombinant antibody, the EC ₅₀ of human BCMA protein is 1.912-2.488 ng/ml.②Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B (CSB-MP897523HU1) at 10 µg/ml can bind human BCMA, the EC ₅₀ of human BCMA protein is 221.3-298.6 ng/ml. ③Human TNFSF13B protein Fc tag (CSB-MP897523HU1) captured on COOH chip can bind Human BCMA protein Fc tag (CSB-MP023974HU1) with an affinity constant of 39 nM as detected by LSPR Assay.④Measured by its binding ability in a functional ELISA. Immobilized human BCMA at 5 µg/ml can bind Biotinylated human TNFSF13B (CSB-MP897523HU1-B), the EC ₅₀ is 0.1752-0.3657 ng/ml.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MLQMAGQCSQNEYFDSLLHACIPCQLRCSSNTPPLTCQRYCNASVTNSVKGTNA
Research Area	Cancer
Source	Mammalian cell
Target Names	TNFRSF17
Expression Region	1-54aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-tagged
Mol. Weight	34.8 kDa
Protein Length	Partial



Image

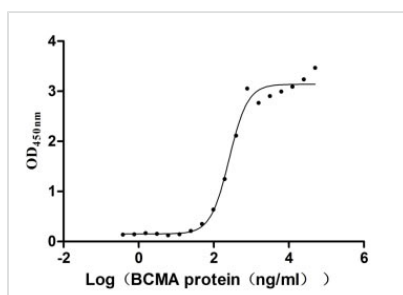


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

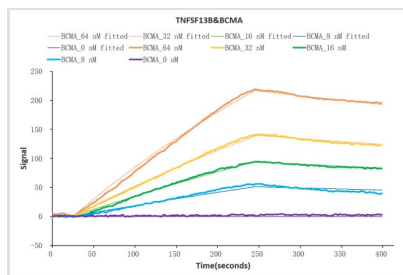


Activity

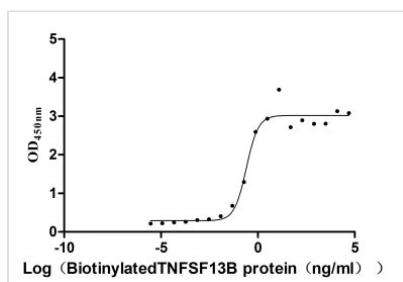
Measured by its binding ability in a functional ELISA. Immobilized BCMA at 2 µg/ml can bind Anti-BCMA recombinant antibody, the EC_{50} of human BCMA protein is 1.912-2.488 ng/ml.



Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B (CSB-MP897523HU1) at 10 µg/ml can bind human BCMA, the EC_{50} of human BCMA protein is 221.3-298.6 ng/ml.



Human TNFSF13B protein Fc tag (CSB-MP897523HU1) captured on COOH chip can bind Human BCMA protein Fc tag (CSB-MP023974HU1) with an affinity constant of 39 nM as detected by LSPR Assay.



Activity

Measured by its binding ability in a functional ELISA. Immobilized human BCMA at 5 µg/ml can bind Biotinylated human TNFSF13B (CSB-MP897523HU1-B), the EC_{50} is 0.1752-0.3657 ng/ml.

Description



Recombinant Human Tumor Necrosis Factor Receptor Superfamily Member 17 (TNFRSF17) is a partial-length receptor produced in mammalian cells. A DNA sequence encoding the TNFRSF17 (1-54aa) was fused with an hFc-tag at C-terminal. Recombinant TNFRSF17 finds applications in studies involving cancer cells.

TNFRSF17 is a cell surface receptor usually expressed on B-cells. It is activated by ligands from the TNF 13b superfamily and TRAF family. On activation, it transmits signals that play a part in the activation of NF-kb and JNK/MAPK8 pathways.

In T-cell acute lymphoblastic leukemia and multiple myeloma, chromosomal errors in TNFRSF17 have been linked to aberrant activation of NF-kb and JNK. Aberrant activation of NF-kb and JNK pathways contributes to cancer-cell proliferation, metastasis, angiogenesis, and the inhibition of cancer-cell apoptosis.

The product has a molecular weight of 34.8 kDa, and purity levels over 90%, as verified using discontinuous SDS-PAGE. Its activity is verified with ELISA and LSPR assay.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.