



Recombinant Human Tumor necrosis factor ligand superfamily member 13B (TNFSF13B), partial (Active)

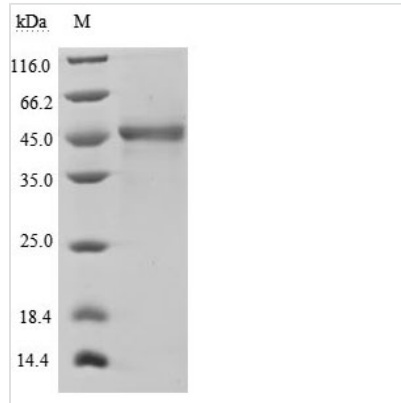
Product Code	CSB-MP897523HU1
Relevance	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13B/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T-cell function and the regulation of humoral immunity.
Abbreviation	Recombinant Human TNFSF13B protein, partial (Active)
Storage	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.
Uniprot No.	Q9Y275
Form	Lyophilized powder
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 10 µg/ml can bind human BCMA (CSB-MP023974HU1), the EC ₅₀ of human TNFSF13B protein is 221.3-298.6 ng/ml.②Human 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.③Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 2 µg/ml can bind TNFRSF13C(CSB-MP853495HU1), the EC ₅₀ is 9.943-15.72 ng/ml.
Purity	Greater than 90% as determined by SDS-PAGE. Greater than 90% as determined by SEC-HPLC.
Sequence	AVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSAL EEKENKILV KETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDEL SLVTLFRCIQNMPETLP NNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDVTFFGALKLL
Research Area	Cancer
Source	Mammalian cell
Target Names	TNFSF13B
Expression Region	134-285aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal hFc-tagged



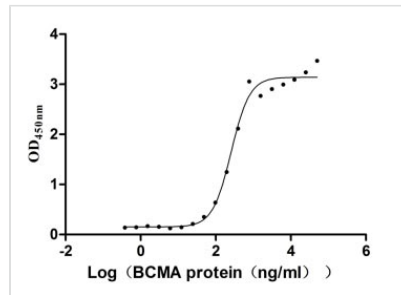
Mol. Weight 46.6 kDa

Protein Length Partial

Image

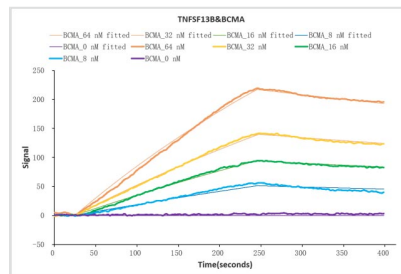


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

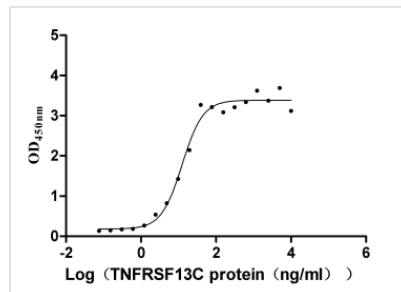


Activity

Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 10 µg/ml can bind human BCMA (CSB-MP023974HU1), the EC₅₀ of human TNFSF13B protein is 221.3-298.6 ng/ml.

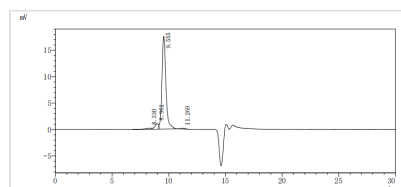


Human TNFSF13B protein Fc tag (CSB-MP897523HU1) captured on COOH chip can bind Human BCMA protein Fc tag (CSB-MP023974HU1) with an affinity constant of 39 nM as detected by LSPR Assay.



Activity

Measured by its binding ability in a functional ELISA. Immobilized TNFSF13B at 2 µg/ml can bind TNFRSF13C(CSB-MP853495HU1), the EC₅₀ is 9.943-15.72 ng/ml.



The purity of TNFSF13B was greater than 90% as determined by SEC-HPLC

**Endotoxin**

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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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