

CHAMOT

Recombinant BAFF, Mouse, Animal-Free

CM040-5MP

CM040-20MP

CM040-100MP

CM040-500MP

CM040-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant BAFF, Mouse, Animal-Free

Catalog#	CM040-5MP	CM040-20MP	CM040-100MP	CM040-500MP	CM040-1000MP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background BAFF also known as BLYS, TALL-1 and TNFSF13B, which belongs to tumor necrosis factor family. BAFF is a 31.2 kDa type II transmembrane protein containing 285 residues that predominantly produced by myeloid cells, furthermore mouse BAFF shares 72% sequence identity with human BAFF. BAFF has been demonstrated to activate the survival of B cells and the B cell response by binding to BAFFR/BR3. Additionally, BAFF also takes part in regulating B and T cell function via forming two ligands-two receptors pathway through sharing TNFRSF13B/TACI and TNFRSF17/BCMA receptors with APRIL.

Synonyms B-cell activating factor, tumor necrosis factor (ligand) superfamily, member 13b, Tnfsf13b, BAF, BL, BLYS, D8Ertd387, D8Ertd387e, TAL, TALL-1, TALL1, THANK, TNFSF20, Tnlg7a, zTNF, zTNF4

Uniprot ID Q9WU72

Molecular Weight The protein has a calculated MW of 21.56 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >98% as determined by SDS-PAGE.

Activity Measure by its ability to induce proliferation in mouse B cells. The ED₅₀ for this effect is <0.5 ng/mL. The specific activity of recombinant mouse BAFF is > 2 x 10⁶ IU/mg.

Endotoxin Level <0.1 EU per 1 µg of the protein by the LAL method.

Protein Sequence MAFQGPEETE QD V D L S A P P A C L P G C R H S Q H D D N G M N L R N I I Q D C L Q L I A D S D T P T I R K G T Y T F V P W L L S F K R G N A L E E K E N K I V V R Q T G Y F F I Y S Q V L Y T D P I F A M G H V I Q R K K V H V F G D E L S L V T L F R C I Q N M P K T L P N N S C Y S A G I A R L E E G D E I Q L A I P R E N A Q I S R N G D D T F F G A L K L L with polyhistidine tag at the C-terminus.

Form

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Application

Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

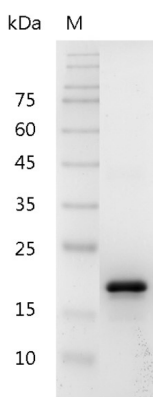
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant mouse BAFF

For Research Use or Further Manufacturing Only

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