

CHAMOT

Recombinant BAFF, Human, Animal-Free

CM050-5HP

CM050-20HP

CM050-100HP

CM050-500HP

CM050-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant BAFF, Human, Animal-Free

Catalog#	CM050-5HP	CM050-20HP	CM050-100HP	CM050-500HP	CM050-1000HP
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. 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, TNFSF13B, BLYS, CD257, DTL, TALL-1, TALL1, THANK, TNFSF20, TNLG7A, ZTNF4
Uniprot ID	Q9Y275
Molecular Weight	The protein has a calculated MW of 17.98 kDa. The protein migrates as 17 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 IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <0.5 ng/mL.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Protein Sequence	MAVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSAALEEKENKILVKETGYFFIYGQVLYTDK TYAMGHLIQRKKVHVFGDELSLVTLFRCIQNMPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDG DVTFFGALKLL with polyhistidine tag at the C-terminus.
Form	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. 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

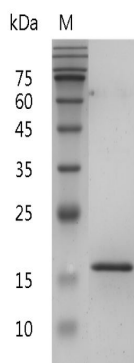
Stability & Storage

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.

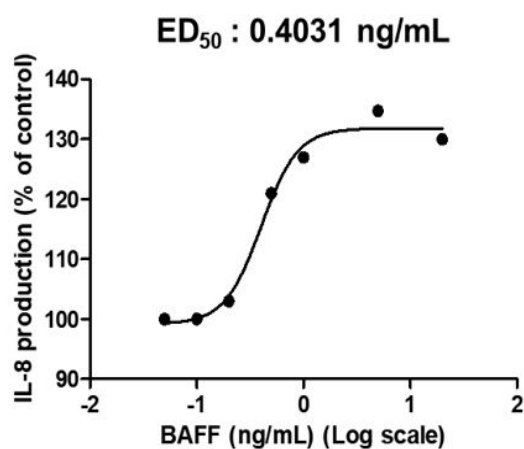
Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human BAFF



Human BAFF, His Tag, E. coli induced IL-8 secretion in human PBMCs, with the ED₅₀ at 0.4031 ng/mL.

For Research Use or Further Manufacturing Only

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