

Rev02
Update: Aug,08,2025**DATASHEET**

CXCL13/BCA-1 hFc Chimera, Human

Cat. No.: Z05204

Product Introduction

Species	Human				
Protein Construction	<table><tr><td>hFc</td><td>CXCL13/BCA-1 (Val23-Per109) Accession # O43927</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	hFc	CXCL13/BCA-1 (Val23-Per109) Accession # O43927	N-term	C-term
hFc	CXCL13/BCA-1 (Val23-Per109) Accession # O43927				
N-term	C-term				
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC				
Endotoxin Level	Less than 1EU per µg by the LAL method.				
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CXCL13/BCA-1 hFc Chimera, Human at 1µg/ml (100µl/well) on the plate can bind Biotinylated AntiCXCL13 Antibody, hFc Tag. Test result was comparable to standard batch.				
Expression System	HEK293				
Theoretical Molecular Weight	37.6 kDa				
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 42-50 kDa based on Bis-Tris PAGE result.				
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).				
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.				
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.				

Background

Target Background : Recent studies have implicated chemokines in microglial activation and pathogenesis of neuropathic pain. C-X-C motif chemokine 13 (CXCL13) is a B lymphocyte chemoattractant that activates CXCR5. Using the spinal nerve ligation (SNL) model of neuropathic pain, CXCL13 was persistently upregulated in spinal cord neurons after SNL, resulting in spinal astrocyte activation via CXCR5 in mice.

Synonyms : ANGIE; ANGIE2; BCA-1; BCA1; BLC; BLR1L; SCYB13

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