

Human CXCL13/BCA-1 Protein

Cat. No. CXC-HE113

Description

Source	Recombinant Human CXCL13/BCA-1 Protein is expressed from E.coli with His tag and Sumo tag at the N-terminal. It contains Val23-Pro109.
Accession	O43927
Molecular Weight	The protein has a predicted MW of 22.9 kDa. The protein migrates to 26-28 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

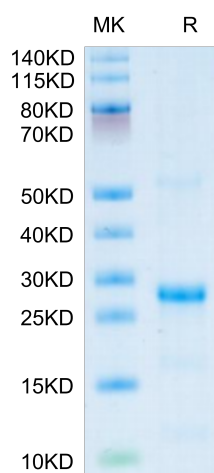
Formulation	Supplied as 0.22µm filtered solution in 0.1M Glycine, 0.3M NaCl, 0.2M L-arginine, 10%Glycerol (pH 3.0). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

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.

Assay Data

Tris-Bis PAGE

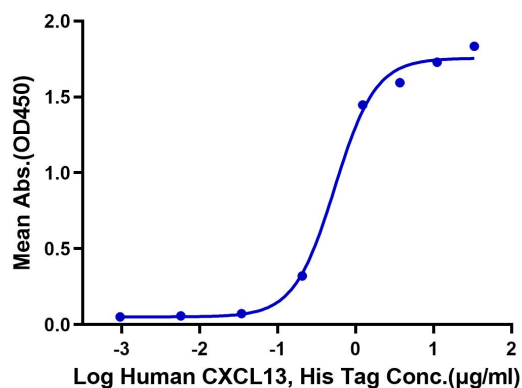


Human CXCL13 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CXCL13, His Tag ELISA

0.5µg Anti-CXCL13 Antibody, hFc Tag Per Well



Immobilized Anti-CXCL13 Antibody, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CXCL13, His Tag with the EC50 of 0.54µg/ml determined by ELISA.