

Human CXCL13/BCA-1 Protein



Cat. No. CXC-HE113

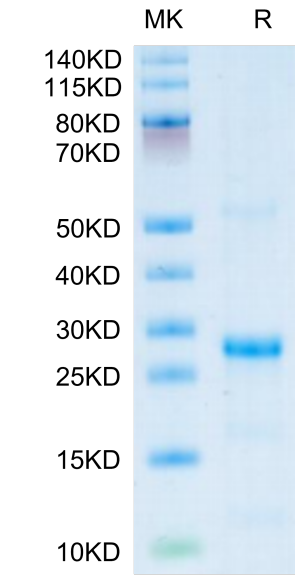
| Description | |
|------------------|---|
| Source | Recombinant Human CXCL13/BCA-1 Protein is expressed from E.coli with His tag and Sumo tag at the N-Terminus. It contains Val23-Pro109. |
| Accession | O43927 |
| Molecular Weight | The protein has a predicted MW of 22.9 kDa. The protein migrates to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

Bis-Tris PAGE

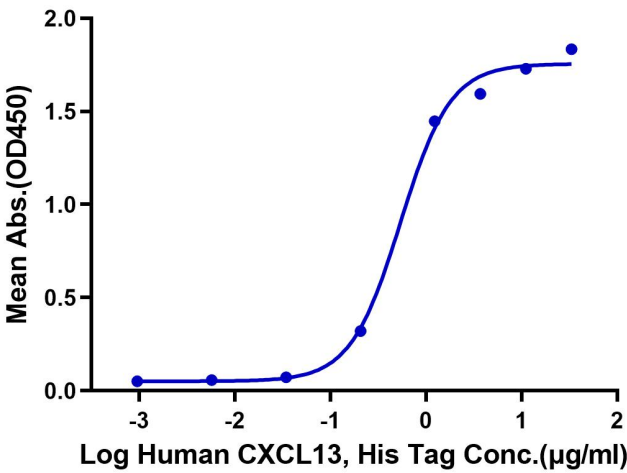


Human CXCL13 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay 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.