PRODUCT INFORMATION

Target	CX3CL1
Synonyms	NTN;NTT;CXC3;CXC3C;SCYD1;ABCD-3;C3Xkine;fractalkine;neurotactin
Description	Recombinant human CX3CL1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P78423
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	CX3CL1(Gln25-Gln341) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 34.4 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene belongs to the CX3C subgroup of chemokines, characterized by the number of amino acids located between the conserved cysteine residues. This is the only member of the CX3C subgroup, which contains three amino acids between cysteine residues, resulting in a Cys-X-X-X-Cys configuration. The encoded protein contains an extended mucin-like stalk with a chemokine domain on top, and exists in both a membrane-anchored form where it acts as a binding molecule, or, in soluble form, as a chemotactic cytokine. The mature form of this protein can be cleaved at the cell surface, yielding different soluble forms that can interact with the G-protein coupled receptor, C-X3-C motif chemokine receptor 1 gene product. This gene plays a role in a wide range of diseases, including cancer, vasculitis, neuropathies, atherosclerosis, inflammatory diseases, and in human immunodeficiency virus infections. [provided by RefSeq, Sep 2017]
Usage	Research use only
Conjugate	Unconjugated

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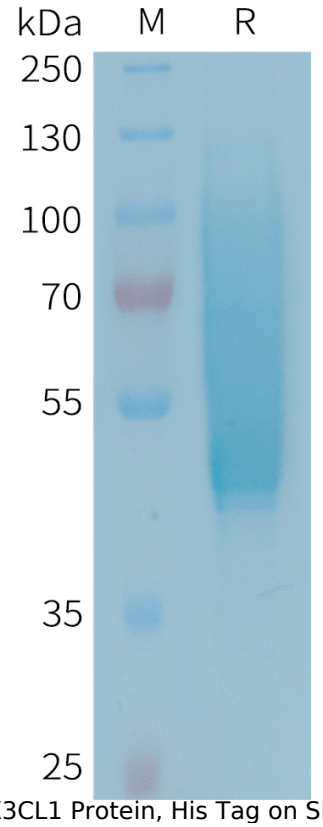


Figure 1. Human CX3CL1 Protein, His Tag on SDS-PAGE under reducing condition.

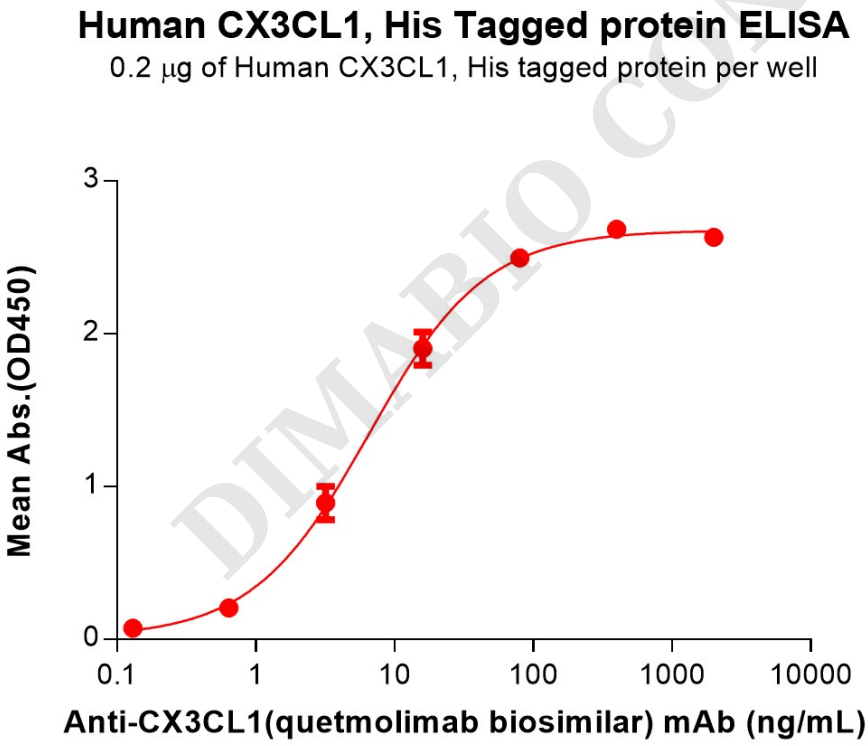


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CX3CL1 Protein, His Tag (PME101343) can bind Anti-CX3CL1(quetmolimab biosimilar) mAb (BME100259) in a linear range of 0.64–80 ng/mL.

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