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## Recombinant Human BCA-1

**Description:** Human B cell-attracting cytokine 1 (BCA-1) also known as BLC is a recently new CXC chemokine. Human BCA-1 is a highly effective attractant for human blood B lymphocytes (which express BLR1), but is inactive on freshly isolated or IL-2 stimulated T lymphocytes, monocytes and neutrophils. BCA-1 is a 10.1 kDa protein containing 85 amino acid residues.

<b>Source:</b>	E. coli
<b>Molecular Weight:</b>	10.1 kDa
<b>Purity:</b>	> 98% by SDS-PAGE and HPLC analyses
<b>Endotoxin level:</b>	< 0.1 ng per µg of BCA-1
<b>Stabilizer:</b>	none
<b>Buffer:</b>	none
<b>Formulation:</b>	lyophilized

**Biological Activity:** The biological activity of human BCA-1 was determined by chemotaxis assay using human B cells. Significant chemotaxis was achieved at a concentration range of 1.0-10 ng/ml.

**Reconstitution:** The lyophilized BCA-1 is soluble in water and most aqueous buffers. The lyophilized powder should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use.

**Stability:** The lyophilized BCA-1, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted BCA-1 should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

**Usage:** Human BCA-1 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** 100-003

**Size:** 20 µg

**Range:** 0.1-10 ng/ml

**\*\*please note: always centrifuge product before opening Vial.\*\***