

[Go to Product page](#)

## Datasheet for ABIN6720223 **CXCL14 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	CXCL14
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: BMAC, bolekin, BRAK, C-X-C motif chemokine 14, Chemokine CXC motif ligand 14, Chemokine BRAK, CXC chemokine in breast and kidney, CXCL14_HUMAN, JSC, Kc, Kidney-expressed chemokine CXC, KS1, MGC10687, MGC124510, MGC90667, MIP 2 gamma, MIP-2G, MIP2G, MIP2gamma, NJAC, PRO273, PSEC0212, Scyb14, Small Inducible Cytokine B14, Small inducible cytokine subfamily B (Cys-X-Cys) member 14 (BRAK), Small Inducible Cytokine subfamily B member 14, Small-inducible cytokine B14</p> <p>Background: Chemokine(C-X-C motif) ligand 14(CXCL14) is a small cytokine belonging to the CXC chemokine family that is also known as BRAK(for breast and kidney-expressed</p>

## Product Details

chemokine). This gene is mapped to 5q31.1. CXCL14 is constitutively expressed at high levels in many normal tissues, it has been found that fibroblasts are the primary source of CXCL14 and that CXCL14 is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. It is also a potent chemoattractant and activator of dendritic cells, is implicated in homing of these cells, and can stimulate the migration of activated NK cells. CXCL14 also inhibits angiogenesis, possibly as a result of its ability to block endothelial cell chemotaxis. In addition to it, CXCL14 is a potent chemokine for immature DCs, with a chemoattractive activity comparable to bacterial fMLP and MIP1A.

Gene Name: CXCL14

Production: Natural and recombinant human CXCL14. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S35-E111

## Target Details

Target:	CXCL14
Alternative Name:	CXCL14 ( <a href="#">CXCL14 Products</a> )
Gene ID:	9547
NCBI Accession:	<a href="#">NP_004878</a>
UniProt:	<a href="#">O95715</a>
Pathways:	<a href="#">Autophagy</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human CXCL14 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CXCL14 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5pg/mL-4000pg/mL</p>
Sample Volume:	100 µL

## Application Details

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Plate: Pre-coated

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Restrictions: For Research Use only

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## Handling

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Storage: RT, 4 °C, -20 °C

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.