

Datasheet for ABIN5510625
CXCL14 ELISA Kit

1 Image

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Overview

Quantity:	96 tests
Target:	CXCL14
Binding Specificity:	AA 35-111
Reactivity:	Pig
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Pig porcine CXCL14
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: S35-E111
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Sequence similarities: Belongs to the intercrine alpha (chemokine CxC) family. Tissue Specificity: Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highly expressed in normal tissue without inflammatory stimuli and infrequently expressed in cancer cell lines. Weakly expressed in monocyte- derived dendritic cells. Not detected in lung or unstimulated peripheral blood lymphocytes. .

Target Details

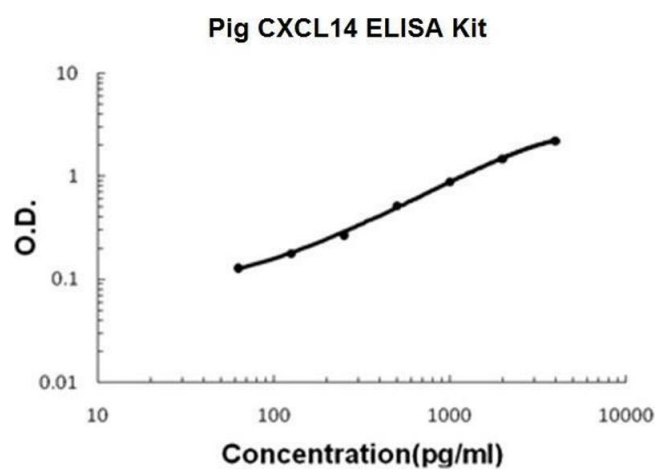
Target:	CXCL14
Alternative Name:	CXCL14 (CXCL14 Products)
Background:	<p>Protein Function: Potent chemoattractant for neutrophils, and weaker for dendritic cells. Not chemotactic for T-cells, B-cells, monocytes, natural killer cells or granulocytes. Does not inhibit proliferation of myeloid progenitors in colony formation assays. .</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 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.</p> <p>Synonyms: C-X-C motif chemokine 14,Chemokine BRAK,MIP-2G,Small-inducible cytokine B14,CXCL14,MIP2G, NJAC, SCYB14,PSEC0212, UNQ240/PRO273,</p> <p>Full Gene Name: C-X-C motif chemokine 14</p> <p>Cellular Localisation: Secreted.</p>
UniProt:	O95715
Pathways:	Autophagy

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Pig CXCL14 PicoKine ELISA Kit standard curve