

Datasheet for ABIN625333

**XCL1 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity: 96 tests

Target: XCL1

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 150 pg/mL-50 ng/mL

Minimum Detection Limit: 150 pg/mL

Application: ELISA

## Product Details

Purpose: Human Lymphotactin (XCL1) ELISA Kit for cell culture supernatants and serum samples. EDTA is recommended as an anticoagulant for plasma in this array.

Sample Type: Plasma, Cell Culture Supernatant, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit shows no cross-reactivity with the following cytokines tested: human Angiogenin, BDNF, BLC, CNTF, ENA- 78, FGF-4, IL-1 alpha, IL-1 beta, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-11, IL-12 p70, IL-12 p40, IL-13, IL-15, I-309, IP-10, FGF-4, FGF-6, FGF- 7, G-CSF, GDNF, GM-CSF, IFN-gamma, IGFBP-2, IGFBP-3, IGFBP-4, Leptin (OB), MCP-1, MCP-2, MCP-3, MDC, MIF, MIG, MIP-1 alpha, MIP-1 beta, MIP-1 delta, PARC, PDGF, RANTES, SCF, SDF-1 alpha, TARC, TGF-beta, TIMP-1, TIMP-2, TNF-alpha, TNF-beta, TPO, VEGF.

Sensitivity: 150 pg/mL

## Product Details

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- Characteristics:
- Strip plates and additional reagents allow for use in multiple experiments
  - Quantitative protein detection
  - Establishes normal range
  - The best products for confirmation of antibody array data

- Components:
- Pre-Coated 96-well Strip Microplate
  - Wash Buffer
  - Stop Solution
  - Assay Diluent(s)
  - Lyophilized Standard
  - Biotinylated Detection Antibody
  - Streptavidin-Conjugated HRP
  - TMB One-Step Substrate

- Material not included:
- Distilled or deionized water
  - Precision pipettes to deliver 2  $\mu$ L to 1  $\mu$ L volumes
  - Adjustable 1-25  $\mu$ L pipettes for reagent preparation
  - 100  $\mu$ L and 1 liter graduated cylinders
  - Tubes to prepare standard and sample dilutions
  - Absorbent paper
  - Microplate reader capable of measuring absorbance at 450nm
  - Log-log graph paper or computer and software for ELISA data analysis

## Target Details

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Target: XCL1

Alternative Name: Lymphotactin ([XCL1 Products](#))

Background: Gene Names: XCL1 LTN SCYC1  
Protein names: Lymphotactin (ATAC) (C motif chemokine 1) (Cytokine SCM-1) (Lymphotaxin) (SCM-1-alpha) (Small-inducible cytokine C1) (XC chemokine ligand 1)

Gene ID: 6375

UniProt: [P47992](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

## Application Details

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Application Notes: Recommended Dilution for serum and plasma samples 2 fold

## Application Details

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100  $\mu$ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4  $^{\circ}$ C.
4. Add 100  $\mu$ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100  $\mu$ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100  $\mu$ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50  $\mu$ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Sample Preparation: EDTA is recommended as an anticoagulant for plasma in this array.

Restrictions: For Research Use only

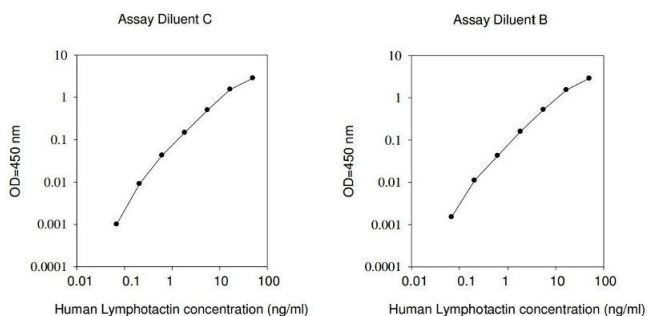
## Handling

Storage: -20  $^{\circ}$ C

Storage Comment: The entire kit may be stored at -20 $^{\circ}$ C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4 $^{\circ}$ C for up to 6 months. For extended storage, it is recommended to store at -80 $^{\circ}$ C.

Expiry Date: 6 months

## Images



### ELISA

#### Image 1.