

Datasheet for ABIN624994

CCL1 ELISA Kit**1** Image**3** Publications[Go to Product page](#)

Overview

Quantity: 96 tests

Target: CCL1

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 4-3000 pg/mL

Minimum Detection Limit: 4 pg/mL

Application: ELISA

Product Details

Purpose: Human I-309 (TCA-3/CCL1) ELISA Kit for cell culture supernatants, plasma, and serum samples.

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, 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-10, IL-11, IL-12 p70, IL-12 p40, IL-13, IL-15, I-309, IP-10, G-CSF, GM-CSF, IFN-gamma, Leptin (OB), MCP-1, MCP-3, MDC, MIP-1 alpha, MIP-1 beta, MIP-1 delta, MMP-1, - 2, -3, -10, PARC, RANTES, SCF, TARC, TGF-beta, TIMP-1, TIMP-2, TNF-alpha, TNF-beta, TPO, VEGF.

Sensitivity: 4 pg/mL

Product Details

Characteristics:	<ul style="list-style-type: none">• 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
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Components:	<ul style="list-style-type: none">• 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
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Material not included:	<ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 µL volumes• Adjustable 1-25 µL pipettes for reagent preparation• 100 µL 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
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Target Details

Target:	CCL1
Alternative Name:	I-309 (CCL1 Products)
Background:	Gene Names: CCL1 SCYA1 Protein names: C-C motif chemokine 1 (Small-inducible cytokine A1) (T lymphocyte-secreted protein I-309)
Gene ID:	6346
UniProt:	P22362

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples 2 fold
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

Protocol:	<ol style="list-style-type: none">1. Prepare all reagents, samples and standards as instructed in the manual.2. Add 100 µL of standard or sample to each well.3. Incubate 2.5 h at RT or O/N at 4 °C.4. Add 100 µL of prepared biotin antibody to each well.5. Incubate 1 h at RT.6. Add 100 µL of prepared Streptavidin solution to each well.7. Incubate 45 min at RT.8. Add 100 µL of TMB One-Step Substrate Reagent to each well.9. Incubate 30 min at RT.10. Add 50 µL of Stop Solution to each well.11. Read at 450 nm immediately.
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Restrictions:	For Research Use only
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Handling

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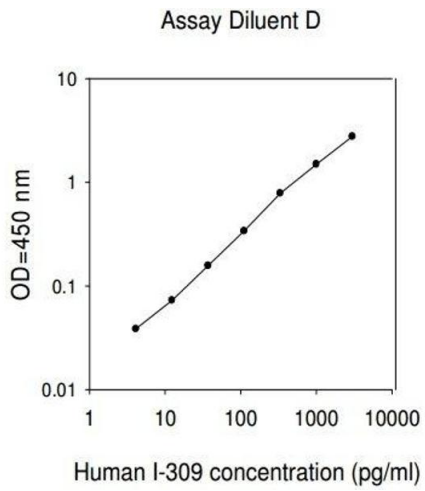
Expiry Date:	6 months
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Publications

Product cited in:	Das, Sarrou, Podgrabinska, Cassella, Mungamuri, Feirt, Gordon, Nagi, Wang, Entenberg, Condeelis, Skobe: "Tumor cell entry into the lymph node is controlled by CCL1 chemokine expressed by lymph node lymphatic sinuses." in: The Journal of experimental medicine , Vol. 210, Issue 8, pp. 1509-28, (2013) (PubMed).
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Leow, Goh, Heng: "Effect of serum amyloid A1 treatment on global gene expression in THP-1-derived macrophages." in: **Inflammation research : official journal of the European Histamine Research Society ... [et al.]**, Vol. 61, Issue 4, pp. 391-8, (2012) ([PubMed](#)).

Celebi, Mantovani, Pineault: "Irradiated Mesenchymal Stem Cells improve the ex vivo expansion of Hematopoietic Progenitors by partly mimicking the bone marrow endosteal environment." in: **Journal of immunological methods**, Vol. 370, Issue 1-2, pp. 93-103, (2011) ([PubMed](#)).



ELISA

Image 1.