

Datasheet for ABIN625049

CCL20 ELISA Kit[Go to Product page](#)**1** Image**6** Publications

Overview

Quantity: 96 tests

Target: CCL20

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 1.5-600 pg/mL

Minimum Detection Limit: 1.5 pg/mL

Application: ELISA

Product Details

Purpose: Human MIP-3 alpha (CCL20) 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 any of the 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-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, MCP-1, MCP-2, MCP-3, MDC, MIP-1 alpha, MIP-1 beta, MIP-1 delta, PARC, PDGF, RANTES, SCF, TARC, TGF-beta, TIMP-1, TIMP-2, TNF-alpha, TNF-beta, TPO, VEGF.

Sensitivity: 1.5 pg/mL

Product Details

- 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 μ L to 1 μ L volumes
 - Adjustable 1-25 μ L pipettes for reagent preparation
 - 100 μ 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

Target: CCL20

Alternative Name: MIP-3 alpha ([CCL20 Products](#))

Background: Gene Names: CCL20 LARC MIP3A SCYA20
Protein names: C-C motif chemokine 20 (Beta-chemokine exodus-1) (CC chemokine LARC) (Liver and activation-regulated chemokine) (Macrophage inflammatory protein 3 alpha) (MIP-3-alpha) (Small-inducible cytokine A20) [Cleaved into: CCL20(1-67), CCL20(1-64), CCL20(2-70)]

Gene ID: 6364

UniProt: [P78556](#)

Pathways: [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

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

Application Details

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

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.

Restrictions: For Research Use only

Handling

Storage: -20 °C

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.

Expiry Date: 6 months

Publications

Product cited in:

Wang, Su, Yang, Qiao, Fang, Yu, Yang, Wang, Yin, Chen, Hong: "The influence of myeloid-derived suppressor cells on angiogenesis and tumor growth after cancer surgery." in: **International journal of cancer**, Vol. 138, Issue 11, pp. 2688-99, (2016) ([PubMed](#)).

Crean, Cummins, Bahar, Mohan, McMorrow, Murphy: "Adenosine Modulates NR4A Orphan Nuclear Receptors To Attenuate Hyperinflammatory Responses in Monocytic Cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 195, Issue 4, pp. 1436-48, (2015) ([PubMed](#)).

Arranz-Valsero, Schulze, Contreras-Ruiz, García-Posadas, López-García, Paulsen, Diebold: "Involvement of corneal epithelial cells in the Th17 response in an in vitro bacterial inflammation model." in: **Molecular vision**, Vol. 19, pp. 85-99, (2013) ([PubMed](#)).

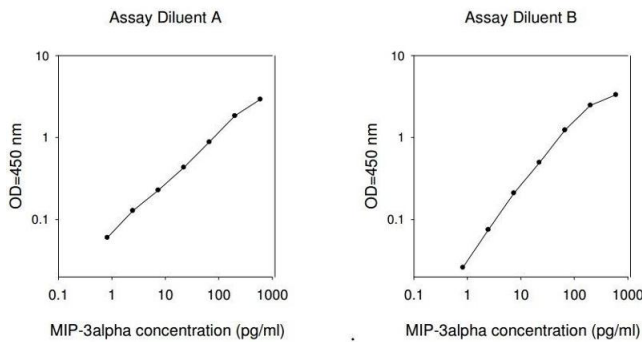
Publications

Iwata, Tanaka, Inoue, Toyama, Hiro, Fujikawa, Okugawa, Uchida, Mohri, Kusunoki: "Macrophage inflammatory protein-3 alpha (MIP-3a) is a novel serum prognostic marker in patients with colorectal cancer." in: **Journal of surgical oncology**, Vol. 107, Issue 2, pp. 160-6, (2013) ([PubMed](#)).

Lee, Chiou, Tzeng, Chu: "Macrophage inflammatory protein-3alpha influences growth of K562 leukemia cells in co-culture with anticancer drug-pretreated HS-5 stromal cells." in: **Toxicology**, Vol. 249, Issue 2-3, pp. 116-22, (2008) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



ELISA

Image 1.