Datasheet for ABIN625050

# CCL20 ELISA Kit

1 Image

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## Overview

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|---|---|
| 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

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| Purpose: | Human MIP-3 alpha (CCL20) ELISA Kit for cell and tissue lysate samples. |
| Sample Type: | Tissue Lysate, Cell Lysate |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes human MIP-3 alpha. |
| Sensitivity: | 1.5 pg/mL |
| Characteristics: | • Strip plates and additional reagents allow for use in multiple experiments<br>• Quantitative protein detection<br>• Establishes normal range<br>• The best products for confirmation of antibody array data |
| Components: | • Pre-Coated 96-well Strip Microplate |

## Product Details

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| | • Wash Buffer<br>• Stop Solution<br>• Assay Diluent(s)<br>• Lyophilized Standard<br>• Biotinylated Detection Antibody<br>• Streptavidin-Conjugated HRP<br>• TMB One-Step Substrate |
| Material not included: | • Distilled or deionized water<br>• Precision pipettes to deliver 2 µL to 1 µL volumes<br>• Adjustable 1-25 µL pipettes for reagent preparation<br>• 100 µL and 1 liter graduated cylinders<br>• Tubes to prepare standard and sample dilutions<br>• Absorbent paper<br>• Microplate reader capable of measuring absorbance at 450nm<br>• Log-log graph paper or computer and software for ELISA data analysis<br>• Cell lysate buffer |

## Target Details

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| Target: | CCL20 |
| Alternative Name: | MIP-3 alpha (CCL20 Products) |
| Background: | Gene Names: CCL20 LARC MIP3A SCYA20<br>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

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| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Protocol: | 1. Prepare all reagents, samples and standards as instructed in the manual.<br>2. Add 100 µL of standard or sample to each well.<br>3. Incubate 2.5 h at RT or O/N at 4 °C. |

## Application Details

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 |

## Handling

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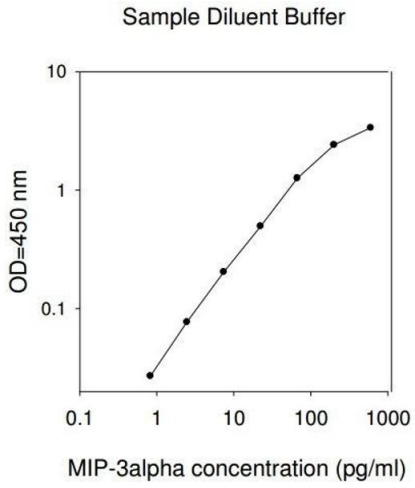
| Storage: | -20 °C |
| Storage Comment: | The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C. |
| Expiry Date: | 6 months |

## Images




**ELISA**

**Image 1.**