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## Datasheet for ABIN6720005 CCL3 ELISA Kit

### Overview

Quantity:	1 kit
Target:	CCL3
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	7.8 pg/mL - 500 pg/mL
Minimum Detection Limit:	7.8 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:** Synonyms: C C motif chemokine 3, CCL3\_HUMAN, Chemokine ligand 3, G0/G1 switch regulatory protein 19 1, G0S19 1, G0S19 1 protein, Heparin binding chemotaxis protein, L2G25B, LD78-alpha(4-69), LD78ALPHA, Macrophage inflammatory protein 1 alpha, Macrophage inflammatory protein 1-alpha, MIP 1 alpha, MIP-1-alpha, MIP-1-alpha(4-69), MIP1A, PAT 464.1, SCYA 3, SCYA3, SIS alpha, SIS beta, SIS-beta, Small inducible cytokine A3, Small-inducible cytokine A3, Tonsillar lymphocyte LD78 alpha protein

Background: Macrophage inflammatory protein-1 alpha(MIP-1 alpha), also called CCL3, LD78. The cDNA for MIP-1 alpha predicts a mature peptide of 69 amino acids with a molecular mass

## Product Details

of 7,889 daltons. LD78 is a member of a newly identified superfamily of small inducible proteins involved in inflammatory responses, wound healing and tumorigenesis. MIP-1 alpha is a chemokine that has pro-inflammatory and stem cell inhibitory activities in vitro. It constitutes an important second signal for mast cell degranulation in the conjunctiva in vivo and consequently for acute-phase disease.

Gene Name: CCL3

Production: Natural and recombinant rat MIP-1 alpha. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A24-A92

## Target Details

Target:	CCL3
Alternative Name:	MIP-1 alpha - CCL3 ( <a href="#">CCL3 Products</a> )
Gene ID:	25542
NCBI Accession:	<a href="#">NP_037157</a>
UniProt:	<a href="#">P50229</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin, Autophagy</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.3pg/mL, 15.6pg/mL, 7.8pg/mL rat MIP-1α standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each rat MIP-1α standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 7.8pg/mL-500pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 8/23/18 -20° C - 2/23/19</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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