

Datasheet for ABIN625420

CCL9 ELISA Kit[Go to Product page](#)**1** Image**4** Publications

Overview

Quantity: 96 tests

Target: CCL9 (Ccl9)

Reactivity: Mouse

Method Type: Sandwich ELISA

Detection Range: 1-250 pg/mL

Minimum Detection Limit: 1 pg/mL

Application: ELISA

Product Details

Purpose: Mouse MIP-1 gamma ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit shows no cross-reactivity with the following cytokines tested: Mouse CD30, L CD30, T CD40, CRG-2, CTACK, CXCL16, Eotaxin, Eotaxin-2, Fas Ligand, Fractalkine, GCSF, GM-CSF, IFN- gamma, IGFBP-3, IGFBP-5, IGFBP-6, IL-1 alpha, IL-1 beta, IL-2, IL-3, IL-3 Rb, IL-4, IL-5, IL-9, IL-10, IL-12 p40/p70, IL-12 p70, IL-13, IL-17, KC, Leptin R, LEPTIN(OB), LIX, L-Selectin, Lymphotactin, MCP-1, MCP- 5, M-CSF, MIG, MIP-1 alpha, MIP-1 delta, MIP-2, MIP-3 beta, MIP-3 alpha, PF-4, PSelectin, RANTES, SCF, SDF-1 alpha, TARC, TCA-3, TECK, TIMP-1, TNF-alpha, TNF RI, TNF RII, TPO, VCAM-1, VEGF.

Sensitivity: 1 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:	CCL9 (Ccl9)
Alternative Name:	MIP-1 gamma (Ccl9 Products)
Background:	Gene Names: Ccl9 Mrp2 Scya10 Scya9 Protein names: C-C motif chemokine 9 (CCF18) (Macrophage inflammatory protein 1-gamma) (MIP-1-gamma) (Macrophage inflammatory protein-related protein 2) (MRP-2) (Small-inducible cytokine A9) [Cleaved into: CCL9(29-101), CCL9(30-101), CCL9(31-101)]
Gene ID:	20308
UniProt:	P51670

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples 40 - 400 fold
Sample Volume:	100 µL

Application Details

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:

Li, Zhou, Zhang, Zheng, He, Ye, Zhang, Qi, He, Yu, Shao, Qiao, Wang: "Inflammatory Molecule,PSGL-1, Deficiency Activates Macrophages to Promote Colorectal Cancer Growth through NFκB Signaling." in: **Molecular cancer research : MCR**, Vol. 15, Issue 4, pp. 467-477, (2017) ([PubMed](#)).

Gong, Liu, Wu, Qi, Wu, Shu, Li, Chen, Wang, Li, Tang, Ji, Yuan, Yao, Shang: "MARESIN 1 PREVENTS LIPOPOLYSACCHARIDE-INDUCED NEUTROPHIL SURVIVAL AND ACCELERATES RESOLUTION OF ACUTE LUNG INJURY." in: **Shock (Augusta, Ga.)**, Vol. 44, Issue 4, pp. 371-80, (2015) ([PubMed](#)).

Huggins, Pearce, Peri, Neumann, Cockerill, Pirianov: "A novel small molecule TLR4 antagonist (IAXO-102) negatively regulates non-hematopoietic toll like receptor 4 signalling and inhibits aortic aneurysms development." in: **Atherosclerosis**, Vol. 242, Issue 2, pp. 563-70, (2015) (

[PubMed](#)).

Shanmugam, Wang, Markand, Perry, Tawfik, Zorrilla, Ganapathy, Smith: "Sigma receptor 1 activation attenuates release of inflammatory cytokines MIP1?, MIP2, MIP3?, and IL12 (p40/p70) by retinal Müller glial cells." in: **Journal of neurochemistry**, (2015) ([PubMed](#)).

Images

ELISA
Image 1.

