

Mouse CCL3/MIP1 alpha ELISA Kit | CCL3 elisa kit

Mouse CCL3/MIP1 alpha PicoKine ELISA Kit

CATALOG #
AAA45996

REACTIVITY
Mouse

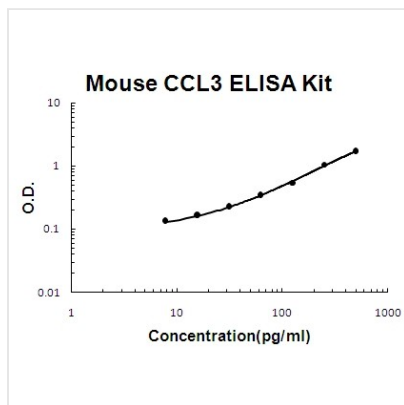
PRODUCT SYNONYMS

CCL3/MIP1 alpha; Mouse CCL3/MIP1 alpha PicoKine ELISA Kit; C-C motif chemokine 3; chemokine (C-C motif) ligand 3; C C motif chemokine 3; CCL3; CCL3_HUMAN; Chemokine (C C motif) ligand 3; Chemokine ligand 3; G0/G1 switch regulatory protein 19 1; 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; CCL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CCL3
Sequence Length	92
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay)Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays)Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CCL3/MIP1 alpha PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL3 elisa kit	Principle of the assay: mouse CCL3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CCL3 has been precoated onto 96-well plates. Standards(E.coli, A24-A92) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse CCL3 amount of sample captured in plate. Background: Chemokine(C-C motif) ligand 3(CCL3), so known as Macrophage inflammatory protein-1alpha(MIP-1alpha), is a protein that in humans is encoded by the CCL3 gene. It is a cytokine which belongs to the CC chemokine family that is involved in the acute inflammatory state in the recruitment and activation of polymorphonuclear leukocytes. This gene is mapped to 17q12. CCL3 plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. It has been found that the activation of CCR5 by CCL3 directly and independently activates a G-protein signaling pathway through GNAI2 and a tyrosine phosphorylation signaling pathway through JAK2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	127079
NCBI GeneID	20302
UniProt Accession #	P10855; P14096
Molecular Weight	10,345 Da
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 3
NCBI Official Symbol	Ccl3
NCBI Official Synonym Symbols	Mip1a; Scya3; G0S19-1; AI323804; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha
NCBI Protein Information	C-C motif chemokine 3; TY-5; L2G25B; MIP1 (a); SIS-alpha; MIP-1 alpha; MIP-1-alpha; small inducible cytokine A3; small-inducible cytokine A3; heparin-binding chemotaxis protein; macrophage inflammatory protein-1alpha; macrophage inflammatory protein 1-alpha
UniProt Protein Name	C-C motif chemokine 3
UniProt Gene Name	Ccl3
UniProt Synonym Gene Names	Mip1a; Scya3; MIP-1-alpha
UniProt Entry Name	CCL3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.