

Rat CCL7/MCP-3 ELISA Kit | CCL7 elisa kit

Rat CCL7/MCP-3 PicoKine ELISA Kit

CATALOG #
AAA45838

REACTIVITY
Rat

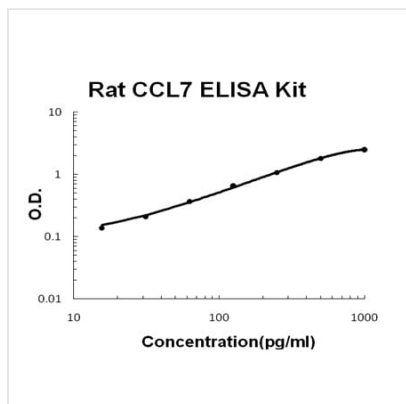
PRODUCT SYNONYMS

CCL7/MCP-3; Rat CCL7/MCP-3 PicoKine ELISA Kit; C-C motif chemokine 7; chemokine (C-C motif) ligand 7; Ccl7; CCL7_HUMAN; Chemokine CC Motif Ligand 7; Chemotactic protein 3; FIC; Interchrine/chemokine MARC; MARC; MCP 3; MCP-3; Monocyte chemoattractant protein 3; Monocyte chemotactic protein 3; NC28; RANTES; sis homolog; RP23-350G1.4; SCYA6; SCYA7; Small inducible cytokine A7; Small-inducible cytokine A7; CCL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat CCL7
Sequence Length	97
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/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)

Rat CCL7/MCP-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL7 elisa kit	Principle of the assay: rat CCL7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CCL7 has been precoated onto 96-well plates. Standards(E.coli, Q24-P97) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CCL7 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 rat CCL7 amount of sample captured in plate. Background: Chemokine(C-C motif) ligand 7(CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3(MCP3). It belongs to the C-C chemokine family. By fluorescence in situ hybridization, mapped the MCP3 gene to chromosome 17q11.2-q12. MCP3 was identified as a physiologic substrate of gelatinase A. Cleaved MCP3 binds to CC-chemokine receptors-1, -2, and -3, but no longer induces calcium fluxes or promotes chemotaxis, and instead acts as a general chemokine antagonist that dampens inflammation, suggested that matrix metalloproteinases are both effectors and regulators of the inflammatory response.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9087193
NCBI GeneID	287561
UniProt Accession #	Q9QXY8
Molecular Weight	10,906 Da
NCBI Official Full Name	C-C motif chemokine 7
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 7
NCBI Official Symbol	Ccl7
NCBI Protein Information	C-C motif chemokine 7; MCP-3; chemotactic protein-3; small-inducible cytokine A7; monocyte chemotactic protein 3; monocyte chemoattractant protein 3
UniProt Protein Name	C-C motif chemokine 7
UniProt Gene Name	Ccl7
UniProt Synonym Gene Names	Mcp3; Scya7; MCP-3
UniProt Entry Name	CCL7_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/ccl7-mcp-3/45838>