

Mouse CCL7/MCP3 ELISA Kit | CCL7 elisa kit

Mouse CCL7/MCP3 PicoKine Quick ELISA Kit

CATALOG # AAA126795	REACTIVITY Mouse	APPLICATIONS ELISA
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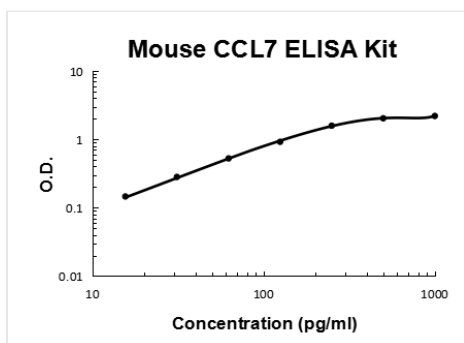
PRODUCT SYNONYMS

CCL7/MCP3; Mouse CCL7/MCP3 PicoKine Quick ELISA Kit; CCL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Ccl7
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<1 pg/ml
Applicable Applications for CCL7 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Mouse CCL7 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL7 elisa kit	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. Principle of the Assay: The Quick Picokine™ Mouse Ccl7 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Ccl7 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Ccl7 protein as standards. To measure Mouse Ccl7, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Ccl7 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Ccl7 in the sample.
Product Categories/Family for CCL7 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305463
NCBI GeneID	20306
NCBI Accession #	NP_038682.1
NCBI GenBank Nucleotide #	NM_013654.3
UniProt Accession #	Q03366
Molecular Weight	10,999 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 Official Synonym Symbols	fic; marc; mcp3; MCP-3; Scya7
NCBI Protein Information	C-C motif chemokine 7; RANTES/sis homolog; intercrine/chemokine MARC; monocyte chemoattractant protein 3; monocyte chemotactic protein 3; small inducible cytokine A7; small-inducible cytokine A7
UniProt Protein Name	C-C motif chemokine 7
UniProt Gene Name	Ccl7
UniProt Synonym Gene Names	Fic; Mcp3; Scya7; MCP-3
UniProt Entry Name	CCL7_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.