

Mouse CCL12/MCP5 ELISA Kit | CCL12 elisa kit

Mouse CCL12/MCP5 PicoKine Quick ELISA Kit

CATALOG # AAA126829	REACTIVITY Mouse	APPLICATIONS ELISA
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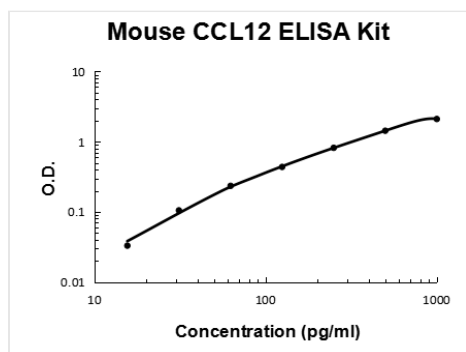
PRODUCT SYNONYMS

CCL12/MCP5; Mouse CCL12/MCP5 PicoKine Quick ELISA Kit; CCL12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Ccl12
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	<10 pg/ml
Applicable Applications for CCL12 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 CCL12 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL12 elisa kit	Background: Chemokine(C-C motif) ligand 12(CCL12) is a small cytokine belonging to the CC chemokine family that has been described in mice. It is also known as monocyte chemotactic protein 5(MCP-5) and, due to its similarity with the human chemokine MCP-1, sometimes it is called MCP-1-related chemokine. CCL12 specifically attracts eosinophils, monocytes and lymphocytes. This chemokine is found predominately in lymph nodes and thymus under normal conditions, and its expression can be hugely induced in macrophages. It is thought to coordinate cell movements during early allergic reactions, and immune response to pathogens. The gene for CCL12 is found in a cluster of CC chemokines on mouse chromosome 11. Principle of the Assay: The Quick Picokine™ Mouse Ccl12 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Ccl12 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 Ccl12 protein as standards. To measure Mouse Ccl12, 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 Ccl12 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 Ccl12 in the sample.
Product Categories/Family for CCL12 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	119226206
NCBI GeneID	20293
NCBI Accession #	NP_035461.2
NCBI GenBank Nucleotide #	NM_011331.2
UniProt Accession #	Q62401; Q9QYD6
Molecular Weight	11,659 Da
NCBI Official Full Name	C-C motif chemokine 12
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 12
NCBI Official Symbol	Ccl12
NCBI Official Synonym Symbols	MCP-5; Scya12
NCBI Protein Information	C-C motif chemokine 12; MCP-1-related chemokine; monocyte chemoattractant protein 5; monocyte chemotactic protein 5; small inducible cytokine A12; small-inducible cytokine A12
UniProt Protein Name	C-C motif chemokine 12
UniProt Gene Name	Ccl12
UniProt Synonym Gene Names	Mcp5; Scya12; MCP-5
UniProt Entry Name	CCL12_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.