

Rat MIP-1Alpha/CCL3 ELISA Kit | MIP-1Alpha/CCL3 elisa kit

Rat MIP-1Alpha/CCL3 PicoKine Fast ELISA Kit

CATALOG #
AAA125359

REACTIVITY
Rat

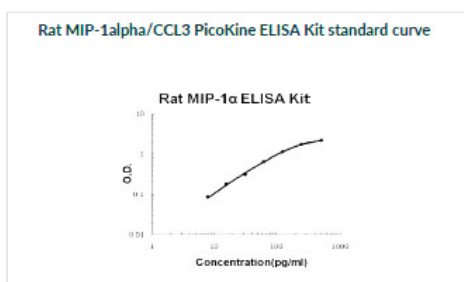
PRODUCT SYNONYMS

MIP-1Alpha/CCL3; Rat MIP-1Alpha/CCL3 PicoKine Fast ELISA Kit; rat MIP-1 alpha; C-C motif chemokine 3; Macrophage inflammatory protein 1-alpha; MIP-1-alpha; Small-inducible cytokine A3; Ccl3; Mip1a; Scya3; MIP-1Alpha/CCL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Ccl3
Sequence Length	92
Samples	Cell culture supernates, serum and plasma(heparin, EDTA, citrate)
Detection Range	7.8pg/ml-500pg/ml
Sensitivity	<1pg/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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MIP-1Alpha/CCL3 elisa kit

Principle of the Assay: The Picokine™ Rat Ccl3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Ccl3 with a 96-well strip plate that is pre-coated with antibody specific for Ccl3. The detection antibody is a biotinylated antibody specific for Ccl3. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Ccl3 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A24-A92. The kit is analytically validated with ready to use reagents. To measure Rat Ccl3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Ccl3 in the sample. Read the density 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 Rat Ccl3 in the sample.!!Background/Introduction: Macrophage inflammatory protein-1 alpha(MIP-1 alpha), also called CCL3, LD78. The cDNA for MIP-1 alpha predicts a mature peptide of 69 amino acids with a molecular mass of 7,889 daltons. LD78 is a member of a newly identified superfamily of small inducible proteins involved in inflammatory responses, wound healing and tumorigenesis. MIP-1 alpha is a chemokine that has pro-inflammatory and stem cell inhibitory activities in vitro. It constitutes an important second signal for mast cell degranulation in the conjunctiva in vivo and consequently for acute-phase disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254794
NCBI GeneID	25542
NCBI Accession #	NP_037157.2
NCBI GenBank Nucleotide #	NP_037157.2
UniProt Accession #	P50229
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Synonym Full Names	C-C motif chemokine ligand 3
NCBI Official Symbol	Ccl3
NCBI Official Synonym Symbols	Scya3; MIP-1a
NCBI Protein Information	C-C motif chemokine 3
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_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/mip-1alpha-ccl3/125359>