

Rat MIP-3 alpha/CCL20 ELISA Kit | CCL20 elisa kit

Rat MIP-3 alpha/CCL20 PicoKine ELISA Kit

CATALOG #
AAA45319

REACTIVITY
Rat

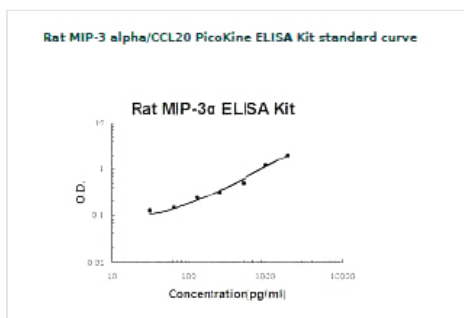
PRODUCT SYNONYMS

MIP-3 alpha/CCL20; Rat MIP-3 alpha/CCL20 PicoKine ELISA Kit; C-C motif chemokine 20; chemokine (C-C motif) ligand 20; Beta chemokine exodus 1; Beta-chemokine exodus-1; C C motif chemokine 20; CC chemokine LARC; Ccl20; CCL20(2-70); CCL20_HUMAN; Chemokine (C C motif) ligand 20; CKb4; Exodus 1; LARC; Liver and activation regulated chemokine; Liver and activation-regulated chemokine; Macrophage inflammatory protein 3 alpha; MIP 3 alpha; MIP 3a; MIP-3-alpha; MIP3 alpha; MIP3A; MIP3alpha; SCYA20; Small inducible cytokine A20; Small inducible cytokine subfamily A (Cys Cys) member 20; Small-inducible cytokine A20; ST38; CCL20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Ccl20
Sequence Length	96
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	31.2pg/ml-2000pg/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 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL20 elisa kit	Principle of the Assay: The Picokine™ Rat Ccl20 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Ccl20 with a 96-well strip plate that is pre-coated with antibody specific for Ccl20. The detection antibody is a biotinylated antibody specific for Ccl20. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Ccl20 with immunogen: Expression system for standard: E.coli; Immunogen sequence: S27-M96. The kit is analytically validated with ready to use reagents. To measure Rat Ccl20, 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 proportional to Rat Ccl20 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 Ccl20 in the sample. Background/Introduction: Macrophage Inflammatory Protein 3alpha(MIP3alpha), also called Chemokine, cc motif, ligand 20(CCL20). The MIP-3alpha/CCL20 gene was cloned and sequenced, revealing a four exon, three intron structure, and was localized by FISH analysis to 2q35-q36. MIP3alpha is predominantly expressed in lymph nodes, appendix, PBL, fetal liver, fetal lung and several cell lines. MIP3alpha/CCL20 and its receptor CCR6 are markedly up-regulated in psoriasis, and they may play a role in the recruitment of T cells to lesional psoriatic skin. And Alanine MIP-3alpha and Serine MIP-3alpha, the two forms of MIP3alpha, that differ by one amino acid at the predicted signal peptide cleavage site. Both of them were chemically synthesized and tested for biological activity. And both flu antigen plus IL-2-activated CD4(+) and CD8(+) T lymphoblasts and cord blood-derived dendritic cells responded to Ser and Ala MIP-3alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6094385
NCBI GeneID	29538
UniProt Accession #	P97884
Molecular Weight	10,875 Da
NCBI Official Full Name	C-C motif chemokine 20
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 20
NCBI Official Symbol	Ccl20
NCBI Official Synonym Symbols	ST38; Scya20
NCBI Protein Information	C-C motif chemokine 20; MIP-3-alpha; CC chemokine LARC; CC chemokine ST38; beta chemokine exodus-1; beta-chemokine exodus-1; small-inducible cytokine A20; small inducible cytokine subfamily A20; macrophage inflammatory protein 3 alpha; liver and activation-regulated chemokine
UniProt Protein Name	C-C motif chemokine 20
UniProt Gene Name	Ccl20
UniProt Synonym Gene Names	Scya20; St38; MIP-3-alpha
UniProt Entry Name	CCL20_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.