

Human CCL18/PARC ELISA Kit | CCL18 elisa kit

Human CCL18/PARC PicoKine ELISA Kit

 CATALOG #
AAA11594

 REACTIVITY
Human

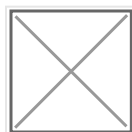
PRODUCT SYNONYMS

CCL18/PARC; Human CCL18/PARC PicoKine ELISA Kit; C-C motif chemokine 18; chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated); Alternative macrophage activation associated CC chemokine 1; Alternative macrophage activation-associated CC chemokine 1; AMAC 1; AMAC-1; AMAC1; C C motif chemokine 18; CC chemokine ligand 18; CC chemokine PARC; CCL18; CCL18(4-69); CCL18_HUMAN; Chemokine (C C motif) ligand 18; Chemokine (C C) dendritic; Chemokine ligand 18; CKb7; DC CK1; DC-CK1; DCCK1; Dendritic cell chemokine 1; Macrophage inflammatory protein 4; MIP 4; MIP-4; MIP4; PARC; Pulmonary and activation regulated chemokine; Pulmonary and activation-regulated chemokine; Small inducible cytokine A18; Small-inducible cytokine A18; CCL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CCL18
Sequence Length	89
Samples	Cell culture supernatants and serum
Detection Range	7.8pg/ml-500pg/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 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 CCL18 elisa kit	Principle of the Assay: The Picokine™ Human CCL18 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CCL18 with a 96-well strip plate that is pre-coated with antibody specific for CCL18. The detection antibody is a biotinylated antibody specific for CCL18. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CCL18 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A21-A89. The kit is analytically validated with ready to use reagents. To measure Human CCL18, 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 Human CCL18 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 Human CCL18 in the sample. Background/Introduction: Chemokine(C-C motif) ligand 18(CCL18) is a small cytokine belonging to the CC chemokine family that was previously called PARC(pulmonary and activation-regulated chemokine). CCL18 is approximately 60% identical in amino acid sequence to CCL3. By analysis of a previously mapped CCL18 from 17q11.2, it is determined that the PARC gene is located within 1 of the 2 clusters of CC chemokine genes in this region. It is expressed at high levels in lung and at lower levels in certain lymphoid tissues, such as the lymph nodes, and is chemotactic for activated T cells and nonactivated lymphocytes. Beside, CCL18 recruits Th2 cells and basophils and may play a predominant role in allergic asthma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2493666
NCBI GeneID	6362
UniProt Accession #	P55774; Q53X71; B5BUM2
Molecular Weight	9,849 Da
NCBI Official Full Name	C-C motif chemokine 18
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
NCBI Official Symbol	CCL18
NCBI Official Synonym Symbols	CKb7; PARC; AMAC1; DCCK1; MIP-4; AMAC-1; DC-CK1; SCYA18
NCBI Protein Information	C-C motif chemokine 18; CC chemokine PARC; CC chemokine ligand 18; chemokine (C-C), dendritic; dendritic cell chemokine 1; small inducible cytokine A18; small-inducible cytokine A18; macrophage inflammatory protein 4; pulmonary and activation-regulated chemokine; alternative macrophage activation-associated CC chemokine 1; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated
UniProt Protein Name	C-C motif chemokine 18
UniProt Gene Name	CCL18
UniProt Synonym Gene Names	AMAC1; DCCK1; MIP4; PARC; SCYA18; AMAC-1; DC-CK1; MIP-4
UniProt Entry Name	CCL18_HUMAN

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.