

Human C-C motif chemokine 18 ELISA Kit | CCL18 elisa kit

Human C-C motif chemokine 18 ELISA Kit

CATALOG #
AAA98620

REACTIVITY
Human

PRODUCT SYNONYMS

C-C motif chemokine 18; Human C-C motif chemokine 18 ELISA Kit; PARC/CCL18/AMAC-1/DC-CK1/MIP-4/PARC/Alternative macrophage activation-associated CC chemokine 1/AMAC1CC chemokine ligand 18/AMAC-1Small-inducible cytokine A18/chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)/CKb7/DC-CK1CC chemokine PARC/DCCK1Macrophage inflammatory protein 4/Dendritic cell chemokine 1/MIP4/MIP-4C-C motif chemokine 18/PARCPulmonary and activation-regulated chemokine/SCYA18chemokine (C-C); dendritic/small inducible cytokine A18/small inducible cytokine subfamily A (Cys-Cys); member 18; pulmonary andactivation-regulated; CCL18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize CCL18, no obvious cross reaction with other analogues
Sequence Length	89
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL18 elisa kit	Background: CCL18 is a chemokine with an N-terminus C-C motif that categorize it as a member of the beta-chemokine subfamily. CCL18 is involved in diverse molecular events associated with immuno-regulation and inflammatory responses. It has strong chemotactic activity that attracts naive T-cells, B-cells, macrophages, monocytes and dendritic cells initiating an immune response. Moreover, it is one of the predominant factors for the development of pulmonary fibrosis and was found to play a major role in allergic asthma. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CCL18 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti CCL18 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CCL18 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CCL18 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506831
NCBI GeneID	6362
NCBI Accession #	NP_002979.1
NCBI GenBank Nucleotide #	NM_002988.3
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
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
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.