

Human Pulmonary activation regulated chemokine (PARC) ELISA Kit

Catalog No: #EK12073

Package Size: #EK12073-1 48T #EK12073-2 96T

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Description

Product Name	Human Pulmonary activation regulated chemokine (PARC) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AMAC-1; AMAC1; CKb7; DC-CK1; DCCK1; MIP-4; PARC; SCYA18; CC chemokine ligand 18 alternative macrophage activation-associated CC chemokine 1 chemokine (C-C); dendritic dendritic cell chemokine 1 macr
Accession No.	P55774
Uniprot	P55774
GeneID	6362;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:78-5000 pg/mL

Sensitivity:34 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CCL18 in samples. An antibody specific for CCL18 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCCL18 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CCL18 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CCL18 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines.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. 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. The gene for human CCL18 contains three exons and is located on chromosome 17.

Note: This product is for in vitro research use only