

Human Chemokine (C-C motif) ligand 18 (CCL18/PARC) ELISA Kit | CCL18/PARC elisa kit

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CATALOG #
AAA247876

REACTIVITY
Human

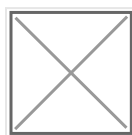
PRODUCT SYNONYMS

Chemokine (C-C motif) ligand 18 (CCL18/PARC); Human Chemokine (C-C motif) ligand 18 (CCL18/PARC) ELISA Kit; CCL18; CCL 18; CCL-18; chemokine CCL18/PARC; CCL18/PARC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Capture antibody and detection antibody respectively identify different epitopes of the antigen, which maximizes the specificity of the reaction. No cross-reaction exists between the homologous cytokines.
Assay Type	Sandwich
Intra-assay Precision	4.16-5.05
Inter-assay Precision	4.1-8.2

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL18/PARC elisa kit

Background: Chemokine (C-C motif) ligand 18 (CCL18) is also known as dendritic cell (DC)-chemokine 1 (DC-CK1), alternative macrophage activation-associated CC chemokine-1 (AMAC-1), and macrophage inflammatory protein-4 (MIP-4), it is a new cytokine belonging to the CC chemokine family. CCL18 is mainly secreted by M2 tumor associated macrophages (TAMs), and involves in promoting the pathogenesis and progression of various diseases, including cancer. CCL18 is highly expressed in lung, lymph nodes, placenta, bone marrow and dendritic cells. CCL18 is a chemokine that attracts lymphocytes and has no effect on monocytes or granulocytes. CCL18 is involved in the migration of B cells to lymph node B cell follicles. It induces the migration of early T lymphocytes to activated macrophages in dendritic cells and lymph nodes. CD8 + cells play a role in humoral immune response and immature T cells.

Principle of the Assay: CCL18 ELISA kit applies the solid phase sandwich enzyme immunoassay technique. The microplate has been pre-coated with antibody specific to CCL18. Standards or samples are then added to the microplate wells and CCL18 if present, will bind to the antibody pre-coated wells. Then a biotin-conjugated detection antibody specific to CCL18 is added to the wells to form a pre-coated antibody-antigen-detection antibody Complex. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells, and then a TMB substrate solution is added to the wells to incubate. TMB substrate solution turns to blue after oxidating by HRP, and finally turns to yellow after adding the stop solution. Color develops in proportion to the amount of CCL18 bound in the initial steps. The color is measured spectrophotometrically at a wavelength of 450nm. The concentration of CCL18 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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.

