

Human CCL18 Antibody Pair Set

| | | | |
|--------------------|--|---------------------|-------|
| Catalog No. | E-KAB-0275 | Applications | ELISA |
| Synonyms | SCYA18, DC-CK1, AMAC-1, DCCK1, MIP-4, CKb7 | | |

Kit components & Storage

| Title | Specifications | Storage |
|---|----------------|---|
| Human CCL18 Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Human CCL18 Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze / thaw cycles. |

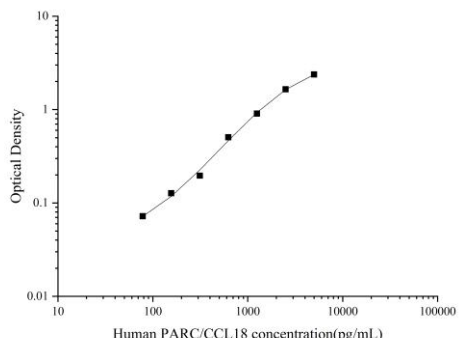
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0275) | |
|-----------------------|---------------|--|---|
| | | Human CCL18 Capture Antibody | Human CCL18 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human CCL18 protein | Recombinant Human CCL18 protein |
| | Swissprot | P55774 | |
| Product details | Reactivity | Human | Human |
| | Host | Rabbit | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A | Protein A |
| | Specificity | Detects Human CCL18 in ELISAs. | |

Applications

Human CCL18 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|--|------------------------------------|---|---|--|-----------------|-----|------|-----|------|-----|-----|------|-----|------|-----|------|-----|-------|-----|
| ELISA Capture | 0.5-4µg/mL | Human CCL18 Capture Antibody |  <p>The graph is a log-log plot of Optical Density versus Human PARC/CCL18 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Human PARC/CCL18 concentration) ranges from 10 to 100,000. The data points form a nearly straight line with a positive slope, indicating a linear relationship on the log-log scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human PARC/CCL18 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.08</td> </tr> <tr> <td>200</td> <td>0.15</td> </tr> <tr> <td>500</td> <td>0.3</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>2000</td> <td>0.8</td> </tr> <tr> <td>5000</td> <td>1.5</td> </tr> <tr> <td>10000</td> <td>2.5</td> </tr> </tbody> </table> | Human PARC/CCL18 concentration (pg/mL) | Optical Density | 100 | 0.08 | 200 | 0.15 | 500 | 0.3 | 1000 | 0.5 | 2000 | 0.8 | 5000 | 1.5 | 10000 | 2.5 |
| Human PARC/CCL18 concentration (pg/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 100 | 0.08 | | | | | | | | | | | | | | | | | | |
| 200 | 0.15 | | | | | | | | | | | | | | | | | | |
| 500 | 0.3 | | | | | | | | | | | | | | | | | | |
| 1000 | 0.5 | | | | | | | | | | | | | | | | | | |
| 2000 | 0.8 | | | | | | | | | | | | | | | | | | |
| 5000 | 1.5 | | | | | | | | | | | | | | | | | | |
| 10000 | 2.5 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human CCL18 Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This antimicrobial 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. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses.