

Human CCL18 Antibody Pair Set

Catalog No.	E-KAB-0275	Applications	ELISA
Synonyms	SCYA18, DC-CK1, AMAC-1, DCCCK1, MIP-4, CKb7		

Kit components & Storage

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

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

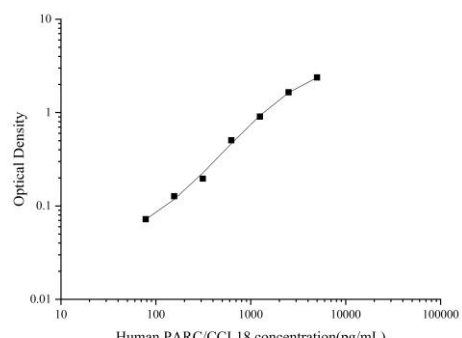
Product Information

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.	

For Research Use Only

Applications

Human CCL18 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human CCL18 Capture Antibody	 <table><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>0.35</td></tr><tr><td>1000</td><td>0.7</td></tr><tr><td>2000</td><td>1.5</td></tr><tr><td>5000</td><td>3.5</td></tr><tr><td>10000</td><td>6.0</td></tr></tbody></table>	Human PARC/CCL18 concentration (pg/mL)	Optical Density	100	0.08	200	0.15	500	0.35	1000	0.7	2000	1.5	5000	3.5	10000	6.0
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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.

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