

Human CCL22 Antibody Pair Set

Catalog No.	E-KAB-0268	Applications	ELISA
Synonyms	CCL22, ABCD-1, DC/B-CK, SCYA22, STCP-1		

Kit components & Storage

Title	Specifications	Storage
Human CCL22 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human CCL22 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

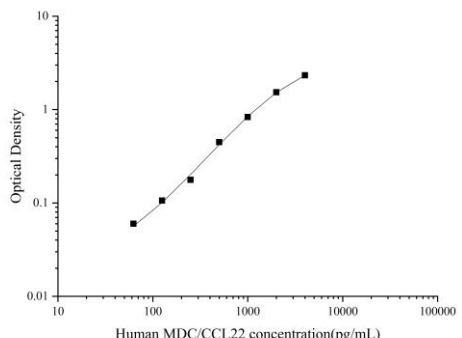
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0268)	
		Human CCL22 Capture Antibody	Human CCL22 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CCL22 protein	Recombinant Human CCL22 protein
	Swissprot	O00626	
Product details	Reactivity	Human	Human
	Host	Mouse	Chicken
	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 or G	Antigen Affinity
	Specificity	Detects Human CCL22 in ELISAs.	

Applications

Human CCL22 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human CCL22 Capture Antibody	 <p>The graph displays a standard curve for the Human CCL22 Sandwich ELISA Assay. The x-axis represents Human MDC/CCL22 concentration in pg/mL on a logarithmic scale from 10 to 100,000. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The data points show a clear positive correlation, indicating that as the concentration of CCL22 increases, the optical density also increases proportionally.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MDC/CCL22 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.3</td> </tr> <tr> <td>1000</td> <td>0.6</td> </tr> <tr> <td>2000</td> <td>1.2</td> </tr> <tr> <td>5000</td> <td>2.5</td> </tr> </tbody> </table>	Human MDC/CCL22 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.3	1000	0.6	2000	1.2	5000	2.5
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ELISA Detection	1:1000-1:10000	Human CCL22 Detection Antibody (Biotin)															

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

Background

The C-C motif chemokine ligand 22 (CCL22), also known as MDC, belongs to the group of chemokines, that are both constitutively expressed under homeostatic conditions and inducible upon inflammation. CCL22 is a secreted protein that exerts chemotactic activity for monocytes, dendritic cells, natural killer cells, and for chronically activated T lymphocytes. CCL22 is induced by LPS, IL-4, and IL-13 and in T cells by TCR stimulation. Accumulating studies indicate that CCL22 recruits regulatory T (T-reg) cells into tumor tissues and is expressed in many human tumors.