

Mouse CCL12/MCP-5 Antibody Pair Set

Catalog No. E-KAB-0316

Applications

ELISA

Synonyms Ccl12, Mcp5, Scya12

Kit components & Storage

Title	Specifications	Storage
Mouse CCL12/MCP-5 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse CCL12/MCP-5 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.

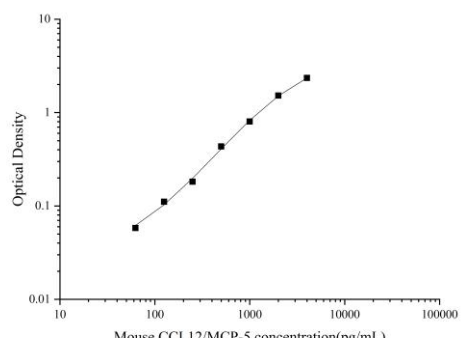
Product Information

Items		Characteristic (E-KAB-0316)	
		Mouse CCL12/MCP-5 Capture Antibody	Mouse CCL12/MCP-5 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CCL12/MCP-5 protein	Recombinant Mouse CCL12/MCP-5 protein
	Swissprot	Q62401	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	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 Mouse CCL12/MCP-5 in ELISAs.	

For Research Use Only

Applications

Mouse CCL12/MCP-5 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Mouse CCL12/MCP-5 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse CCL12/MCP-5 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>0.2</td></tr><tr><td>1000</td><td>0.4</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>	Mouse CCL12/MCP-5 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.2	1000	0.4	2000	0.8	5000	1.5	10000	2.5
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ELISA Detection	1:1000-1:10000	Mouse CCL12/MCP-5 Detection Antibody (Biotin)																	

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

Background

CCL12, also known as MCP-5, is a small cytokine belonging to the CC chemokine family. It is a structural and functional homologue of human MCP-1. CCL12 is found predominantly in lymph nodes and thymus under normal conditions, and its expression can be markedly induced in activated macrophages both in vitro and in vivo. CCL12 is involved in allergic inflammation and the host response to pathogens and may play a pivotal role during early stages of allergic lung inflammation.

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