

## Mouse CCL12/MCP-5 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0316	<b>Applications</b>	ELISA
<b>Synonyms</b>	Ccl12, Mcp5, Scya12		

### Kit components & Storage

Title	Specifications	Storage
Mouse CCL12/MCP-5 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse CCL12/MCP-5 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

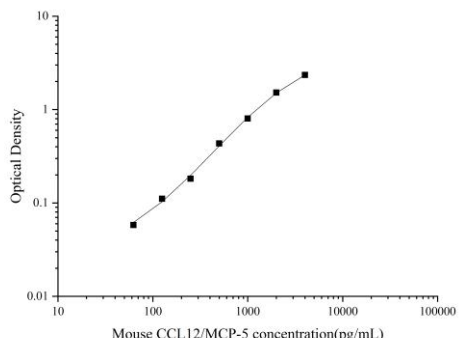
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-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.	

## 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	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Mouse CCL12/MCP-5 concentration(pg/mL)' and ranges from 10 to 100000. Six data points are plotted, showing a clear upward trend. The points are approximately at (50, 0.05), (100, 0.1), (200, 0.2), (500, 0.5), (1000, 1.0), and (2000, 2.0).</p>
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.