

Mouse CCL1 Antibody Pair Set

Catalog No.	E-KAB-0325	Applications	ELISA
Synonyms	SCYA1, Small-inducible cytokine A1, T lymphocyte-secreted protein I-309		

Kit components & Storage

Title	Specifications	Storage
Mouse CCL1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse CCL1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

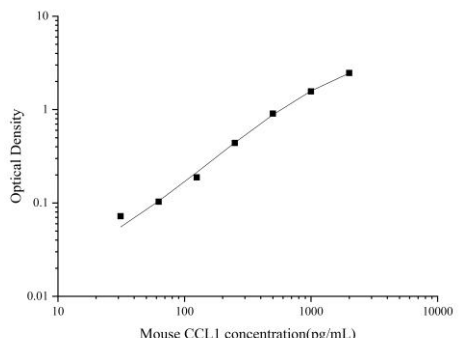
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0325)	
		Mouse CCL1 Capture Antibody	Mouse CCL1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CCL1 protein	Recombinant Mouse CCL1 protein
	Swissprot	P10146	
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 CCL1 in ELISAs.	

Applications

Mouse CCL1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse CCL1 Capture Antibody	 <p>The graph displays a standard curve for the Mouse CCL1 Sandwich ELISA Assay. The x-axis represents Mouse CCL1 concentration in pg/mL, ranging from 10 to 10,000 on a logarithmic scale. The y-axis represents Optical Density, ranging from 0.01 to 10 on a logarithmic scale. The data points show a clear positive linear relationship, indicating that the assay is sensitive and specific for detecting Mouse CCL1.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse CCL1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Mouse CCL1 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
Mouse CCL1 concentration (pg/mL)	Optical Density												
10	0.05												
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ELISA Detection	1:1000-1:10000	Mouse CCL1 Detection Antibody (Biotin)											

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

Background

This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8.