

## Datasheet for KOA0646

**Mouse CCL12 - MCP5 ELISA Kit****Overview**

<b>Description:</b>	Mouse CCL12/MCP5 AccuSignal ELISA Kit - KOA0646
<b>Item No.:</b>	KOA0646
<b>Size:</b>	1 Kit
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Mouse
<b>Range:</b>	31.2 pg/ml - 2000 pg/ml

**Product Details**

<b>Background:</b>	Chemokine(C-C motif) ligand 12(CCL12) is a small cytokine belonging to the CC chemokine family that has been described in mice. It is also known as monocyte chemotactic protein 5(MCP-5) and, due to its similarity with the human chemokine MCP-1, sometimes it is called MCP-1-related chemokine. CCL12 specifically attracts eosinophils, monocytes and lymphocytes. This chemokine is found predominately in lymph nodes and thymus under normal conditions, and its expression can be hugely induced in macrophages. It is thought to coordinate cell movements during early allergic reactions, and immune response to pathogens. The gene for CCL12 is found in a cluster of CC chemokines on mouse chromosome 11.
<b>Synonyms:</b>	C C motif chemokine 12, Ccl12, MCP 1 related chemokine, Monocyte chemoattractant protein 5, Monocyte chemotactic protein 5, Scya12, Small inducible cytokine A12
<b>Detection Kit Type:</b>	ELISA Kit
<b>Detection Range:</b>	31.2 pg/ml - 2000 pg/ml
<b>Sensitivity:</b>	<10 pg/ml

**Target Details**

<b>Gene Name:</b>	Ccl12
<b>Reactivity:</b>	Mouse
<b>Immunogen:</b>	Expression system for standard: E.coli; Immunogen sequence: G23-G104
<b>Purity/Specificity:</b>	Natural and recombinant mouse CCL12. There is no detectable cross-reactivity with other relevant proteins.

<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q62401</a></li><li>• <a href="#">NCBI - NP_035461.2</a></li><li>• <a href="#">GeneID - 105242482</a></li><li>• <a href="#">KOA0646 Protocol</a></li></ul>
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## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse CCL12 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse CCL12 standard solution and each sample be measured in duplicate.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

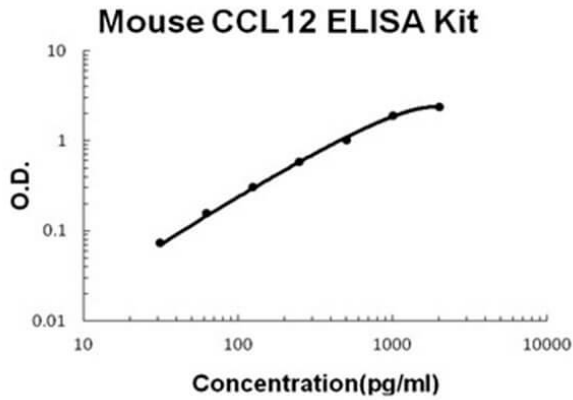
## Formulation

<b>Anticoagulant:</b>	Heparin Sodium
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## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
<b>Expiration:</b>	See kit insert for complete instructions.

## Images

**ELISA**

Mouse CCL12/MCP5 AccuSignal ELISA Kit standard curve.  
Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.

**Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.