

Datasheet for KOA0345**Mouse MCP-1 ELISA Kit****Overview**

Description:	Mouse MCP-1 AccuSignal ELISA Kit - KOA0345
Item No.:	KOA0345
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1,000 pg/ml

Product Details

Background:	Monocyte chemotactic protein-1(MCP-1) is a member of the small inducible gene(SIG) family. It has been shown to play a role in the recruitment of monocytes to sites of injury and infection. By analysis of a panel of somatic cell hybrids, we have localized the MCP-1 gene, designated SCYA2, to human chromosome 17. In situ hybridization confirmed this assignment and further localized the gene to 17q11.2-q21.1. MCP-1 plays a unique and crucial role in the initiation of atherosclerosis and may provide a new therapeutic target in this disorder. Monocyte chemoattractant protein-1(MCP-1), regulated on activation, normal T cell expressed and secreted, and stimulation of monocytes from healthy carriers of the genotype GG with Mycobacterium tuberculosis antigens yielded higher MCP-1. The standard used in this kit is recombinant mouse MCP-1(Q24-R96) with the molecular mass of 8.5Kda.
Synonyms:	C-C motif chemokine 2, CCL2, CCL2_HUMAN, Chemokine (C-C motif) ligand 2, GDCF-2, HC11, HSMCR30, MCAF, MCP-1, MCP1, MGC9434, Monocyte chemoattractant protein 1, Monocyte chemoattractant protein-1, Monocyte chemotactic and activating factor, Monocyte chemotactic protein 1, Monocyte secretory protein JE, SCYA2, Small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je), Small inducible cytokine subfamily A (Cys-Cys) member 2, Small-inducible cytokine A2, SMC-CF
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1,000 pg/ml
Sensitivity:	<6 pg/ml

Target Details

Gene Name:	CCL2
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Reactivity:	Mouse
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: Q24-R96
Purity/Specificity:	Natural and recombinant mouse MCP-1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P10148 • NCBI - NP_035463.1 • GeneID - 20296 • KOA0345 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse MCP-1 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 or serum to each empty well. It is recommended that each mouse MCP-1 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Expiration Date: 2-8° C - 04/20/2022 -20° C - 10/19/2022

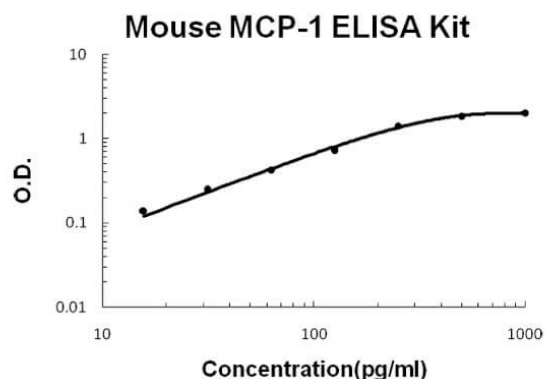
Formulation

Concentration:	1 Kit
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA

Mouse MCP-1 AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/ml. Sensitivity: <6pg/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.