

Datasheet for KOA0574**Rat CCL4 - MIP-1 beta ELISA Kit****Overview**

Description:	Rat CCL4/MIP-1 beta AccuSignal ELISA Kit - KOA0574
Item No.:	KOA0574
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Chemokine(C-C motif) ligand 4, also known as CCL4, is a protein which in mouse is encoded by the CCL4 gene. It is a CC chemokine with specificity for CCR5 receptors. It is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. CCL4 is a major HIV-suppressive factor produced by CD8+ T cells. Performing-low memory CD8+ T cells that normally synthesize MIP-1-beta. By analysis of somatic cell hybrids and by in situ hybridization, the CCL4 gene was assigned to 17q21-q23. Based on functional analysis of MIP-1beta, one or more additional beta chemokine receptors that transduce MIP-1beta signals must also exist. MIP-1alpha and MIP-1beta have been shown to lack affinity for the erythrocyte surface chemokine receptor/Duffy antigen that binds many alpha as well as beta chemokines(11, 14).
Synonyms:	ACT-2, ACT2, AT744.1, C-C motif chemokine 4, CC chemokine ligand 4, CCL4, CCL4_HUMAN, G-26 T-lymphocyte-secreted protein, HC21, LAG-1, LAG1, Lymphocyte activation gene 1 protein, Macrophage inflammatory protein 1-beta, MIP-1-beta, MIP-1-beta(1-69), MIP-1-beta(3-69), MIP1-B, MIP1B, MIP1B1, PAT 744, Protein H400, SCYA2, SCYA4, SIS-gamma, Small-inducible cytokine A4, T-cell activation protein 2
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CCL4
Reactivity:	Rat

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A24-N92
Purity/Specificity:	Natural and recombinant rat CCL4. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P50230 • NCBI - NP_446310.1 • GeneID - 116637 • KOA0574 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 rat CCL4 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 rat cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each rat CCL4 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.

Formulation

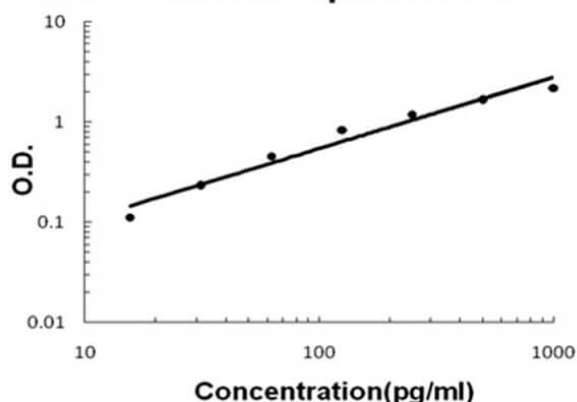
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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

Rat CCL4/MIP-1 β ELISA Kit



ELISA

Rat CCL4/MIP-1 beta AccuSignal ELISA Kit standard curve.
 Assay Range: 15.6pg/ml-1000pg/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.