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Datasheet for ABIN6719994

CCL4 ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	CCL4
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>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</p> <p>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</p>

Product Details

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).

Gene Name: CCL4

Production: Natural and recombinant rat CCL4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A24-N92

Target Details

Target:	CCL4
Alternative Name:	CCL4 - MIP-1 beta (CCL4 Products)
Gene ID:	116637
NCBI Accession:	NP_446310
UniProt:	P50230

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

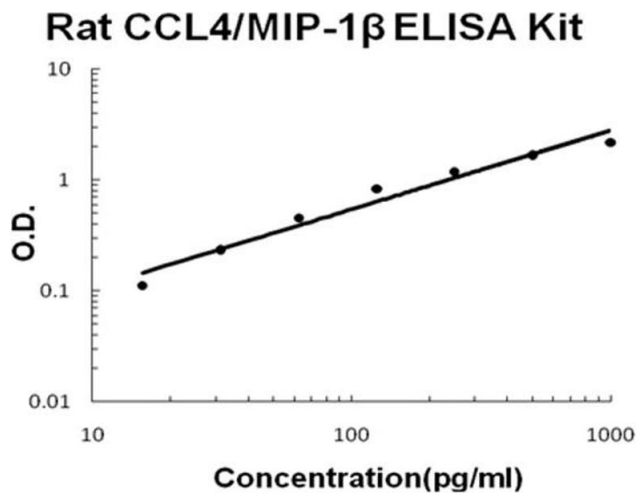
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: 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.

Images



ELISA

Image 1. Rat CCL4/MIP-1 beta Accusignal ELISA Kit Rat CCL4/MIP-1 beta AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.