Datasheet for ABIN6719956

CCL22 ELISA Kit

1 Image

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Overview

Quantity:	1 kit
Target:	CCL22
Reactivity:	Mouse
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), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: A-152E5.1, ABCD 1, ABCD1, C-C motif chemokine 22, CC chemokine STCP-1, Ccl22, CCL22_HUMAN, Chemokine (C-C motif) ligand 22, DC/B-CK, Macrophage-derived chemokine, MDC(1-69), MDC(7-69), MGC34554, SCYA22, Small inducible cytokine A22, Small inducible cytokine subfamily A (Cys-Cys), member 22, Small-inducible cytokine A22, STCP 1, STCP1, Stimulated T cell chemotactic protein 1, Stimulated T-cell chemotactic protein 1 Background: Macrophage-derived chemokine(MDC), also called Chemokine, cc motif, ligand 22(CCL22) or Small inducible cytokine subfamily A, member 22(SCY22). MDC is a recently identified member of the CC chemokine family. It is not closely related to other chemokines,

Product Details

sharing most similarity with thymus- and activation-regulated chemokine(TARC), which contains 37 % identical amino acids. In addition, MDC gene is mapped to chromosome 16q13, the same position reported for the TARC gene. MDC has the four-cysteine motif and other highly conserved residues characteristic of CC chemokines, but it shares<35 % identity with any of the known chemokines. Recombinant MDC was expressed in Chinese hamster ovary cells and purified by heparin-Sepharose chromatography. MDC is highly expressed in macrophages and in monocyte-derived dendritic cells, but not in monocytes, natural killer cells, or several cell lines of epithelial, endothelial, or fibroblast origin. High expression was also detected in normal thymus and less expression in lung and spleen. MDC is thus a unique member of the CC chemokine family that may play a fundamental role in the function of dendritic cells, natural killer cells, and monocytes.

Gene Name: CCL22

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

Standard: Expression system for standard: E.coli, Immunogen sequence: G25-S92

Target Details

Target:	CCL22
Alternative Name:	MDC (CCL22 Products)
Gene ID:	20299
NCBI Accession:	NP_033163
UniProt:	O88430

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 mouse MDC 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse MDC standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 15.6pg/mL-1000pg/mL

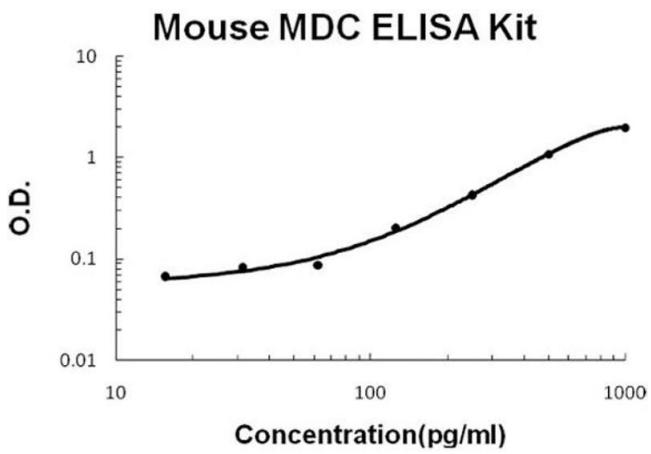
Application Details

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