

## Human CCL13,MCP4 ELISA Kit

Catalog No: #EK5356

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## Description

Product Name	Human CCL13,MCP4 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	E.coli,Q24-T98
Other Names	C-C motif chemokine 13; CK-beta-10; Monocyte chemoattractant protein 4; Monocyte chemotactic protein 4; MCP-4; NCC-1; Small-inducible cytokine A13; C-C motif chemokine 13, long chain; C-C motif chemokine 13, medium chain; C-C motif chemokine 13, short chain; CCL13; MCP4, NCC1, SCYA13;
Accession No.	Q99616
Uniprot	Q99616
GeneID	6357;
Cell Localization	Secreted.

## Application Details

sensitivity:10pg mlDetect Range:7.8pg ml-500pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from mouse  
detection\_antibody:polyclonal antibody from goat  
gene\_name:CCL13  
protein\_name:C-C motif chemokine 13  
gene\_full\_name:C-C motif chemokine 13  
tissue\_specificity: Widely expressed. Found in small intestine thymus colon lung trachea stomach and lymph node. Low levels seen in the pulmonary artery smooth muscle cells.  
sequence\_similarities:Belongs to the intercrine beta (chemokine CC) family.  
tmb\_incubation:20-25min  
research\_category:immunology|innate immunity|macrophage / inflamm.|chemokines|beta chemokines (cc)

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CCL13,MCP4

## Background

protein\_function: Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils, but not neutrophils. Signals through CCR2B and CCR3 receptors. Plays a role in the accumulation of leukocytes at both sides of allergic and non-allergic inflammation. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis. May play a role in the monocyte attraction in tissues chronically exposed to exogenous pathogens. Chemokine (C-C motif) ligand 13 (CCL13) is a small cytokine belonging to the CC chemokine family. Its gene is located on human chromosome 17 within a large cluster of other CC chemokines. CCL13 induces chemotaxis in monocytes, eosinophils, T lymphocytes, and basophils by binding cell surface G-protein linked chemokine receptors such as CCR2, CCR3 and CCR5. Activity of this chemokine has been implicated in allergic reactions such as asthma. CCL13 can be induced by the inflammatory cytokines interleukin-1 and TNF-alpha.

Note: This product is for in vitro research use only