



Human Myeloid Progenitor Inhibitory Factor 1, MPIF-1 ELISA Kit

Product Code	CSB-E07309h
Protein Biological Process 2	chemokine
Abbreviation	CCL23
Protein Biological Process 1	Immunity
Target Name	chemokine (C-C motif) ligand 23
Uniprot No.	P55773
Alias	CK-BETA-8, CKb8, Ckb-8, Ckb-8-1, MIP-3, MIP3, MPIF-1, SCYA23, C6 beta-chemokine hmrp-2a macrophage inflammatory protein 3 myeloid progenitor inhibitory factor 1 small inducible cytokine A23 small in
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, tissue homogenates
Detection Range	39 pg/mL-2500 pg/mL
Sensitivity	9.7 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	CCL23
Tag Info	quantitative
Protein Description	Sandwich

Description

This human MPIF-1 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of human MPIF-1 in multiple samples, including serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the MPIF-1 levels in the sample and is measured at 450 nm



through a microplate reader.

MPIF-1, also CCL23, MIP-3, or CK β 8, is produced by eosinophils, monocyte-derived dendritic cells, and IL-1 β -activated monocytes. It serves as a chemoattractant for dendritic cells, resting T lymphocytes, and monocytes. CCL23 is associated with the pathophysiology of various inflammatory conditions such as rheumatoid arthritis, chronic rhinosinusitis, chronic kidney dysfunction, and systemic sclerosis. Circulating CCL23 levels have also been related to markers of atheroprogession, such as aortic wall thickness and plaque burden. In terms of cancer, CCL23 appears to have pro- and anti-cancer properties. A study showed that CCL23 was necessary and sufficient to promote the migration of ovarian cancer. Another study demonstrated that CCL23 is downregulated in hepatocellular carcinoma (HCC) tissues and cell lines.

Target Details

This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity on resting T lymphocytes and monocytes, lower activity on neutrophils and no activity on activated T lymphocytes. The protein is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. In addition, the product of this gene is a potent agonist at CC chemokine receptor 1. Two alternatively spliced variants encoding different active isoforms have been identified.

Msds

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