

Human Monocyte chemotactic protein 4 (MCP-4) ELISA Kit



Catalog No: #EK12064

Orders: order@signalwayantibody.com

Package Size: #EK12064-1 48T #EK12064-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Monocyte chemotactic protein 4 (MCP-4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CKb10; MCP-4; MGC17134; NCC-1; NCC1; SCYA13; SCYL1; CK-beta-10 monocyte chemoattractant protein 4 monocyte chemotactic protein 4 new CC chemokine 1 small inducible cytokine A13 small inducible cytok
Accession No.	Q99616
Uniprot	Q99616
GeneID	6357;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CCL13 in samples. An antibody specific for CCL13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCCL13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CCL13 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CCL13 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Chemokine (C-C motif) ligand 13 (CCL13) is a small cytokine belonging to the CC chemokine family.The chemokines are secreted proteins involved in immunoregulatory and inflammatory processes. Naruse et al. (1996) identified on chromosome 17q11.2 a cluster of chemokines from the CC family (characterized by a cys-cys sequence motif) and distinguished from a second chemokine family that features a cys-xxx-cys (CXC) motif . They mapped 1 gene of the CC family (called NCC1 by them) to the cluster using a panel of somatic cell hybrids with known deletions. NCC1 was originally characterized as an expressed sequence tag (EST). The deduced order of genes from a YAC contig assembled for the region is cen--NF1--MCP3, MCP1, NCC1, I-309--Y1741 breakpoint--RANTES--LD78-gamma, AT744.2 , LD78-beta --NCC3, NCC2, AT744.1), LD78-alpha--NCC4--RARA --tel.

Note: This product is for in vitro research use only