

Human MCP-4 Antibody Pair Set

Catalog No.	E-KAB-0726	Applications	ELISA
Synonyms	SCYA13;MCP-4;NCC-1;SCYL1;CKb10;CCL13;Monocyte chemoattractant protein 1;MCP4;CKβ10;New CC chemokine 1;NCC1;Small inducible cytokine subfamily a,member 13		

Kit components & Storage

Title	Specifications	Storage
Human MCP-4 Capture Antibody	1 vial, 100 μg	Store at -20°C. Avoid freeze / thaw cycles.
Human MCP-4 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

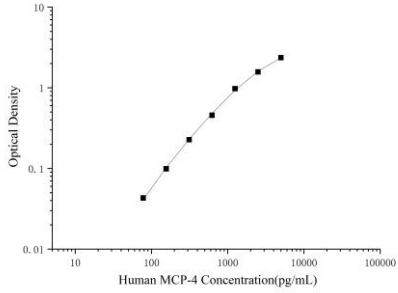
Product Information

Items		Characteristic (E-KAB-0726)	
		Human MCP-4 Capture Antibody	Human MCP-4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MCP-4 protein	Recombinant Human MCP-4 protein
	Swissprot	Q99616	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Human MCP-4 in ELISAs.	

For Research Use Only

Applications

Human MCP-4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Human MCP-4 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human MCP-4 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Human CCL13 (MCP-4) was initially identified in a library constructed from human fetal mRNA. CCL13 shares a high similarity with CCL2 (MCP-1,61%), CCL7 (MCP-3,58%), and CCL8 (MCP-2,55%). CCL13 is constitutively expressed at high levels in the small intestine, colon, and lung. Original data showed that CCL13 was less effective than MCP-1 and MCP-3 in monocyte and lymphocyte chemoattraction, but equivalent to eotaxin as a chemoattractant for eosinophils. Chemokines are very important in the inflammatory process, initially in the influx of PMN by CXC chemokines and subsequently chemoattracting monocytes where the MCPs participate, including CCL13. The bioactivity of pro-inflammatory chemokines is regulated by MMPs in order to regulate the influx of different cell subpopulations.