



Anti-CCL2 polyclonal antibody (DPAB0612RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant human MCP-1/MCAF
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity chromatography employing immobilized human MCP-1/MCAF matrix. Product is sterile filtered.
Conjugate	Unconjugated
Applications	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of human MCP-1/MCAF (10.0ng/ml), a concentration of 3.0-5.0ug/ml of this antibody is required. ELISA: To detect human MCP-1/MCAF by direct ELISA (using 100ul/well antibody solution) a concentration of at least 0.5ug/ml of this antibody is required. This antibody allows the detection of 0.2-0.4ng/well of recombinant human MCP-1/MCAF. Western blot: To detect human MCP-1/MCAF by Western blot analysis this antibody can be used at a concentration of 0.1-0.2ug/ml. The detection limit for recombinant human MCP-1/MCAF is 1.5-3.0ng/lane, under either reducing or non-reducing conditions. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Affinity Purified, Lyophilized. Reconstitute in sterile water to a concentration of >0.2mg/ml
Concentration	1mg/ml (prior to lyophilization)
Size	100 µg
Buffer	Lyophilized from 0.5X PBS, pH 7.4
Preservative	None

Storage

The lyophilized product though stable (up to 1 month) at room temperature, is best stored at -20°C. After reconstitution, store (up to 6 weeks) at 2-8°C.

GENE INFORMATION

Gene Name	CCL2 chemokine (C-C motif) ligand 2 [Homo sapiens]
Official Symbol	CCL2
Synonyms	CCL2; chemokine (C-C motif) ligand 2; HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30; MGC9434; C-C motif chemokine 2; OTTHUMP00000163799; small-inducible cytokine A2; monocyte secretory protein JE; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; monocyte chemoattractant protein-1; monocyte chemotactic and activating factor; small inducible cytokine subfamily A (Cys-Cys), member 2; small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je)
Entrez Gene ID	6347
Protein Refseq	NP_002973
UniProt ID	P13500
Chromosome Location	17q11.2-q12
Pathway	Chagas disease (American trypanosomiasis); Chemokine receptors bind chemokines; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Diabetes pathways; GPCR ligand binding; IL23-mediated signaling events; Influenza A; Malaria; NOD
Function	CCR2 chemokine receptor binding; chemokine activity; heparin binding; protein binding ; protein kinase activity; receptor binding; signal transducer activity