

C-C motif chemokine 2 Conjugated Monoclonal Antibody

Catalog No: #C42032

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Package Size: #C42032-AF350 100ul #C42032-AF405 100ul #C42032-AF488 100ul

#C42032-AF555 100ul #C42032-AF594 100ul #C42032-AF647 100ul

#C42032-AF680 100ul #C42032-AF750 100ul #C42032-Biotin 100ul

Description

Product Name	C-C motif chemokine 2 Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu
Specificity	specific for human C-C motif chemokine 2 denatured and native forms
Immunogen Description	Recombinant Human C-C motif chemokine 2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Monocyte chemoattractant protein 1, Monocyte chemotactic and activating factor, Monocyte chemotactic protein 1, Monocyte secretory protein JE, Small-inducible cytokine A2, CCL2, MCP1, SCYA2
Accession No.	Swiss-Prot#:P13500
Uniprot	P13500
GeneID	6347;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Background

Chemotactic factor that attracts monocytes and basophils but not neutrophils or eosinophils. Augments monocyte anti-tumor activity. Has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis. [1] "Cloning and sequencing of the cDNA for human monocyte chemotactic and activating factor (MCAF)." Furutani Y., Nomura H., Notake M., Oyamada Y., Fukui T., Yamada M., Larsen C.G., Oppenheim J.J., Matsushima K. *Biochem. Biophys. Res. Commun.* 159:249-255(1989) [2] "The human homolog of the JE gene encodes a monocyte secretory protein." Rollins B.J., Stier P., Ernst T., Wong G.G. *Mol. Cell. Biol.* 9:4687-4695(1989) [3] "Human monocyte chemoattractant protein-1 (MCP-1). Full-length cDNA cloning, expression in mitogen-stimulated blood mononuclear leukocytes, and sequence similarity to mouse competence gene JE." Yoshimura T., Yuhki N., Moore S.K., Appella E., Lerman M.I., Leonard E.J. *FEBS Lett.* 244:487-493(1989)

Note: This product is for in vitro research use only