



Human Chemokine Ligand 2 (DAG356)

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

PRODUCT INFORMATION

Product Overview	HumanChemokine (C-C Motif) Ligand 2 also called human monocyte chemotacticprotein-1 (MCP-1) which was expressed in E. coli is an 8.6 kDa protein containing76 amino acid residues. It plays an important role in the inflammatoryresponse of blood monocytes and
Antigen Description	Chemokine(C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokinefamily that is also known as monocyte chemotactic protein-1 (MCP-1) and smallinducible cytokine A2. CCL2 recruits monocytes, memory T cells, and dendriticcells to sites of tissue injury, infection, and inflammation.
Species	Human
Conjugate	Unconjugated
Applications	Biologicalactivity is determined by its ability to chemoattract human monocytes using aconcentration range of 10-100ng/ml.
Format	Purified, Lyophilized. We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml This solution can then be diluted into otheraqueou buffers and stored (up to one week) at 2-8°C or store at-20°C forfuture use.
Concentration	Not applicable.
Buffer	Not applicable
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17.
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Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4. [provided by RefSeq, Jul 2013]

Keywords

CCL2; chemokine (C-C motif) ligand 2; HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-
CF; HSMCR30; C-C motif chemokine 2; small-inducible cytokine A2; monocyte secretory
protein JE; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; monocyte
