



# Anti-CCL2 monoclonal antibody, clone 3I6 (DCABH-7971)

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

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| <b>Product Overview</b>    | Armenian Hamster monoclonal to MCP1 - Low endotoxin, Azide free  |
| <b>Antigen Description</b> | 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. |
| <b>Immunogen</b>           | The details of the immunogen for this antibody are not available. corresponding to MCP1.   |
| <b>Isotype</b>             | IgG  |
| <b>Source/Host</b>         | Armenian Hamster   |
| <b>Species Reactivity</b>  | Human  |
| <b>Clone</b>               | 3I6  |
| <b>Purification</b>        | Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by the LAL assay.   |
| <b>Conjugate</b>           | Functional Grade   |
| <b>Applications</b>        | Functional Studies, Flow Cyt   |
| <b>Format</b>              | Liquid   |
| <b>Size</b>                | 50 μg  |
| <b>Buffer</b>              | pH: 7.21XPBS W/O NaN <sub>3</sub>  |
| <b>Preservative</b>        | See individual product datasheet   |

|                |   |
|----------------|---|
| <b>Storage</b> | Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Ship</b>    | Shipped at 4°C.   |

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">CCL2 chemokine (C-C motif) ligand 2 [ Homo sapiens ]</a>   |
| <b>Official Symbol</b>     | CCL2   |
| <b>Synonyms</b>            | CCL2; chemokine (C-C motif) ligand 2; SCYA2, small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig je); C-C motif chemokine 2; GDCF 2; HC11; MCAF; MCP 1; MCP1; MGC9434; monocyte chemoattractant protein 1; monocyte chemotact   |
| <b>Entrez Gene ID</b>      | <a href="#">6347</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_002973</a>  |
| <b>UniProt ID</b>          | <a href="#">P13500</a>   |
| <b>Chromosome Location</b> | 17q11.2-q21.1  |
| <b>Pathway</b>             | Activation of Genes by ATF4, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; |
| <b>Function</b>            | CCR2 chemokine receptor binding; CCR2 chemokine receptor binding; G-protein coupled receptor binding; chemokine activity; heparin binding; protein kinase activity; receptor binding;  |