



20150116ML

Anti-Human CCL-7 (#6J48)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

| | |
|------------------|----------------------------|
| Cat.-no.: | 101-M275 |
| Size: | 100 µg |
| Lot. No.: | According to product label |

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CCL-7 (also called MCP-3).

Target Background

| | |
|---------------------------|--|
| Synonyms (Target): | CCL7; FIC; MARC; MCP3; NC28; MCP-3; SCYA6; SCYA7 |
|---------------------------|--|

MCP2 and CCL7 are two monocyte chemotactic proteins produced by human MG63 osteosarcoma cells. Both MCP2 and CCL7 are members of the CC family of chemokines and share 62% and 71% amino acid sequence identity, respectively, with MCP1. CCL7 also shares 58% amino acid identity with MCP2. CCL7 cDNA encodes a 99 amino acid residue precursor protein from which the N-terminal 23 amino acid residues are cleaved to generate the 76 amino acid residue mature CCL7. Mature CCL7 contains a potential N-linked and several possible O-linked glycosylation sites. Similarly to other CC chemokines, all three MCP proteins are monocyte chemoattractants. In addition, the three MCPs can chemoattract activated NK cells as well as CD4+ and CD8+ T lymphocytes. All three cytokines have also been shown to attract eosinophils and induce histamine secretion from basophils.

Database References Target

| | |
|------------------------|-----------|
| Protein RefSeq: | NP_006264 |
| Uniprot ID: | P80098 |
| mRNA RefSeq: | NM_006273 |

Product Specifications

| | |
|------------------------------|--------------------------|
| Host | Mouse |
| Reactivity against | Human |
| Clonality | Monoclonal Antibody |
| Clone | (#6J48) |
| Isotype | IgG1 |
| Purification | Protein G chromatography |
| Antigen | recombinant human CCL-7 |
| Formulation | lyophilized |
| Reconstitution buffer | PBS (sterile) |

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human CCL-7 protein.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB, N

Recommended usage:

WB: 1:500-1000

Neutralization: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!