

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse CCL7/MCP-3/MARC in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human Eotaxin and recombinant mouse (rm) JE is observed and less than 5% cross-reactivity with rmMCP-5 is observed                  |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse CCL7/MCP-3/MARC<br>Gln24-Pro97<br>Accession # Q03366                                                                                                                                                                              |
| <b>Conjugate</b>          | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| <b>Neutralization</b> | Optimal dilution of this antibody should be experimentally determined. |
| <b>Western Blot</b>   | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Mouse MARC, a member of the  $\beta$  subfamily of chemokines, was initially identified as a transcript that is induced in a mouse mast cell line after Fc epsilon RI triggering by IgE plus antigen. Sequence comparisons suggest that MARC may be the mouse homologue of the human MCP-3 gene. Mouse MARC/MCP-3 expression has also been detected during murine experimental allergic encephalomyelitis in the spinal cord, and in LPS-stimulated murine WEHI -3 cells and Swiss 3T3 cells where MARC expression is glucocorticoid-attenuated. Except for one amino acid substitution, mouse MARC is identical to mouse FIC, the product of a growth factor-activated gene. The mouse MARC cDNA encodes a 97 amino acid residue precursor protein with a 23 amino acid residue signal peptide that is cleaved to yield a 74 amino acid residue mature protein. Mouse CCR2, a mouse chemokine receptor, has been shown to bind JE/MCP-1 with high affinity and MARC/MCP-3 with lower affinity. The *E. coli*-expressed mouse MARC/MCP-3 produced at R&D Systems has been shown to be a monocyte and T-lymphocyte chemoattractant.

#### PRODUCT SPECIFIC NOTICES

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