Mouse CCL7/MCP-3/MARC Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF-456-NAN
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	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
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant mouse CCL7/MCP-3/MARC Gln24-Pro97 Accession # Q03366
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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 β 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 subsititution, 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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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475