Mouse CCL12/MCP-5 Alexa Fluor® 750-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 63205

Catalog Number: FAB428S

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL12/MCP-5 in ELISAs and Western blots.
Source	Monoclonal Rat IgG_{2A} Clone # 63205
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse CCL12/MCP-5 Gly23-Gly104 Accession # Q62401.1
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.*

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
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

CCL12 is a cloned mouse CC chemokine most closely related to human MCP-1 (66% amino acid (aa) sequence identity in the mature protein). Mouse CCL12 encodes a 104 aa residue precursor protein with a 22 aa residue predicted hydrophobic signal sequence that is cleaved to generate a 82 aa residue mature protein. CCL12 is expressed constitutively in the thymus and lymph nodes. Under inflammatory conditions, CCL12 expression is also induced in activated macrophages and mast cells. The gene for mouse MCP-1 has been mapped to the CC chemokine cluster on chromosome 11. Recombinant CCL12 has been shown to be a potent chemoattractant for monocytes and lymphocytes but not neutrophils. At high concentrations, CCL12 will also chemoattract eosinophils. CCL12 has been found to be a functional ligand for CCR2 but not CCR1, CCR3, or CCR5.

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