

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL12/MCP-5 in direct ELISAs.
Source	Monoclonal Rat IgG _{2B} Clone # 147801
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse CCL12/MCP-5 Gly23-Gly104 Accession # Q62401
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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, also called MCP-5, is expressed constitutively in the thymus and lymph nodes. Under inflammatory conditions, CCL12 expression is also induced in activated macrophages and mast cells. Mouse CCL12 encodes a 104 amino acid (aa) precursor protein with a 22 aa signal sequence that is cleaved to generate a 82 aa mature protein. Recombinant CCL12 is a potent chemoattractant for monocytes and lymphocytes but not neutrophils. CCL12 has been found to be a functional ligand for CCR2.

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