Mouse CCL24/Eotaxin-2/MPIF-2 Antibody

Monoclonal Rat IgG_{2A} Clone # 106521

Catalog Number: MAB528

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL24/Eotaxin-2/MPIF-2 in Western blots. In Western blots, no cross-reactivity with recombinant human CCL1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, recombinant mouse CCL1, 2, 3, 4, 6, 7, 9/10/MIP-1γ, 11, 12, 19, 20, 21, 22, 25, 28, or recombinant rat CCL20 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 106521
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse CCL24/Eotaxin-2/MPIF-2 Ile24-Val119 Accession # Q9JKC0
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

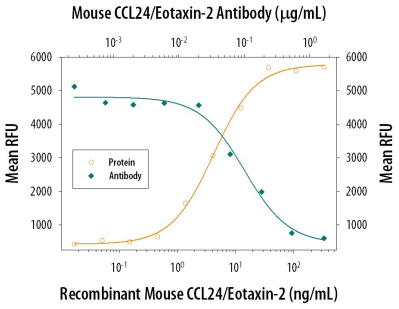
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Mouse CCL24/Eotaxin-2/MPIF-2 (Catalog # 528-MP)
Mouse CCL24/Eotaxin-2/MPIF-2 Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Mouse CCL24/Eotaxin-2/MPIF-2 Antibody (Catalog # MAB528)
ELISA Detection	0.1-0.4 µg/mL	Mouse CCL24/Eotaxin-2/MPIF-2 Biotinylated Antibody (Catalog # BAF528)
Standard		Recombinant Mouse CCL24/Eotaxin-2/MPIF-2 aa 24-119 (Catalog # 528-MP)
Neutralization	Measured by its ability to neutralize CCL24/Eotaxin-2/MPIF-2-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CCR3. The Neutralization Dose (ND_{50}) is typically 0.06-0.3 µg/mL in the presence of 20 ng/mL Recombinant Mouse CCL24/Eotaxin-2/MPIF-2.	

DATA

Neutralization



Chemotaxis Induced by CCL24/Eotaxin-2 and Neutralization by Mouse CCL24/Eotaxin-2 Antibody. Recombinant Mouse CCL24/Eotaxin-2 (Catalog # 1017-MP) chemoattracts the BaF3 mouse pro-B cell line transfected with mouse CCR3 in a dose-dependent manner (orange line). The amount of cells that migrated through to the lower chemotaxis chamber was measured by Resazurin (Catalog # AR002). Chemotaxis elicited by Recombinant Mouse CCL24/Eotaxin-2 (20 ng/mL) is neutralized (green line) by increasing concentrations of Rat Anti-Mouse CCL24/Eotaxin-2 Monoclonal Antibody (Catalog # MAB528). The ND_{50} is typically 0.06-0.3 µg/mL.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956

Mouse CCL24/Eotaxin-2/MPIF-2 Antibody

Monoclonal Rat IgG_{2A} Clone # 106521

Catalog Number: MAB528

BACKGROUND

Eotaxin-2, also named myeloid progenitor inhibitory factor (MPIF-2), is a member of the CC chemokine subfamily and is designated CCL24. Eotaxin-2 is constitutively expressed in the jejunum and spleen. It can also be induced in the lung by allergen challenge and IL-4. LPS and IL-4 also differentially regulate the expression of Eotaxin-2 in monocytes and macrophages. Mouse Eotaxin-2 cDNA encodes a 119 amino acid (aa) precursor protein that shares approximately 58% aa sequence identity with human Eotaxin-2. Functionally, Eotaxin-2 is most closely related to CCL11/Eotaxin and CCL26/Eotaxin-3. The three proteins share low sequence homology but have been shown to be potent eosinophil chemoattractants that bind and activate the chemokine receptor CCR3, a receptor that is highly expressed in eosinophils. Eotaxin-2 also has the ability to suppress myeloid cell proliferation, a biological function not shared by Eotaxin.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956