

DESCRIPTION

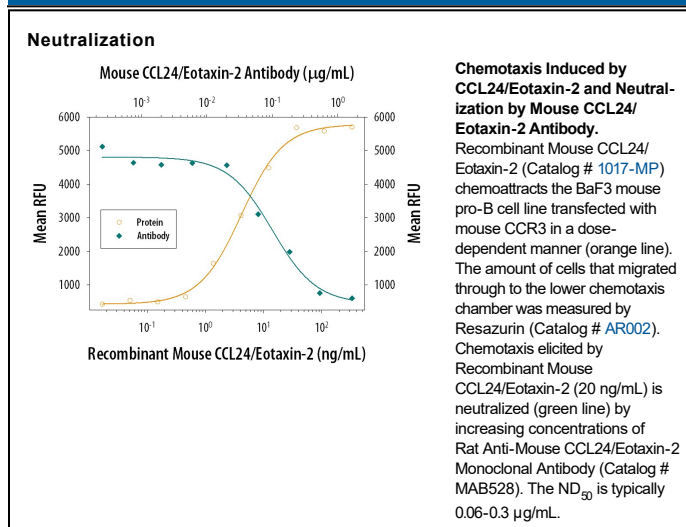
Species Reactivity	Mouse
Specificity	Detects mouse CCL24/Eotaxin-2/MPIF-2 in Western blots. In Western blots, no cross-reactivity with recombinant human CCL1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, recombinant mouse CCL1, 2, 3, 4, 6, 7, 9/10/MIP-1y, 11, 12, 19, 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	<i>E. coli</i> -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 either lyophilized or 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



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. <ul style="list-style-type: none"> • 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.

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.