

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CCL24/Eotaxin-2/MPIF-2 in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant human (rh) Eotaxin-2, rhEotaxin, recombinant mouse (rm) Eotaxin, rhEotaxin-3, rmMIP-1 $\alpha$ , rmMIP-1 $\beta$ , rmMARC, rmRANTES, rm6Ckine and rmTARC is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse CCL24/Eotaxin-2/MPIF-2 (R&D Systems, Catalog # 528-MP) Ile24-Val119 Accession # Q9JKC0
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

#### 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
<b>Western Blot</b>	0.1 $\mu$ g/mL	Recombinant Mouse CCL24/Eotaxin-2/MPIF-2 (Catalog # 528-MP)
<b>Mouse CCL24/Eotaxin-2/MPIF-2 Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 $\mu$ g/mL	Mouse CCL24/Eotaxin-2/MPIF-2 Antibody (Catalog # MAB528)
<b>ELISA Detection</b>	0.1-0.4 $\mu$ g/mL	Mouse CCL24/Eotaxin-2/MPIF-2 Biotinylated Antibody (Catalog # BAF528)
<b>Standard</b>		Recombinant Mouse CCL24/Eotaxin-2/MPIF-2 aa 24-119 (Catalog # 528-MP)

#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### 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) residue precursor protein that shares approximately 58% aa sequence identity with human Eotaxin-2. Functionally, Eotaxin-2 is most closely related to eotaxin/CCL11 and Eotaxin-3/CCL26. 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.