

## DESCRIPTION

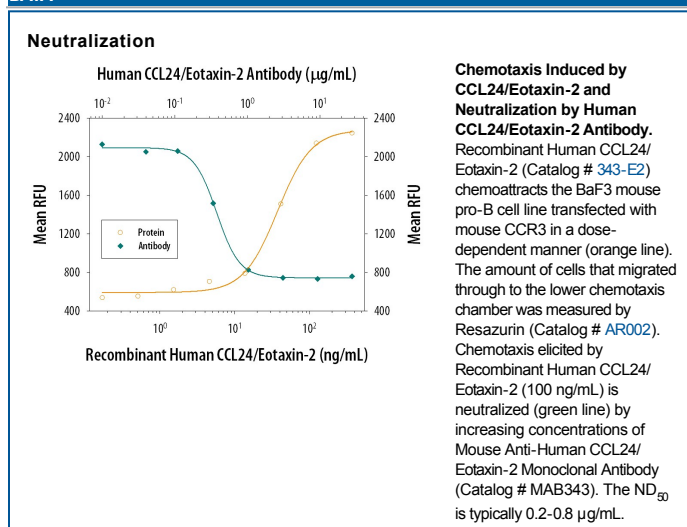
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCL24/Eotaxin-2/MPIF-2 in ELISAs and Western blots. In sandwich ELISAs, less than 0.04% cross-reactivity with recombinant human (rh) Eotaxin, rhMIP-1 $\alpha$ , and rhMCP-3 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 61016
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CCL24/Eotaxin-2/MPIF-2 Val27-Cys119 Accession # AAB51135
<b>Endotoxin Level</b>	<0.10 EU per 1 $\mu$ g of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 $\mu$ g/mL	Recombinant Human CCL24/Eotaxin-2/MPIF-2 (Catalog # 343-E2)
<b>Human CCL24/Eotaxin-2/MPIF-2 Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-8 $\mu$ g/mL	Human CCL24/Eotaxin-2/MPIF-2 Antibody (Catalog # MAB343)
<b>ELISA Detection</b>	0.1-0.4 $\mu$ g/mL	Human CCL24/Eotaxin-2/MPIF-2 Biotinylated Antibody (Catalog # BAF343)
<b>Standard</b>		Recombinant Human CCL24/Eotaxin-2/MPIF-2 (Catalog # 343-E2)
<b>Neutralization</b>		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 <sub>50</sub> ) is typically 0.2-0.8 $\mu$ g/mL in the presence of 100 ng/mL Recombinant Human CCL24/Eotaxin-2/MPIF-2.

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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 MPIF-2 and Ckβ6, is a CC chemokine that is designated CCL24. Eotaxin-2 cDNA encodes a 10.5 kDa, 119 amino acid residue precursor protein with a 26 aa residue signal peptide that is cleaved to generate a mature protein predicted to contain 93 amino acid residues with an N-glycosylation site. C-terminally truncated variants with 78, 73, 75 and 76 residues have also been described. Eotaxin-2 shares 40%, 42% and 39% amino acid sequence identity with other CC chemokines CCL7/MCP-3, CCL3/MIP-1α, and CCL11/Eotaxin, respectively. Eotaxin-2 mRNA is weakly expressed in activated monocytes and T lymphocytes. Recombinant Eotaxin-2 induces chemotaxis of eosinophils, basophils, and resting T lymphocytes, but not monocytes or activated T lymphocytes. Eotaxin-2 also suppresses colony formation by high proliferative multipotential hematopoietic progenitors. On eosinophils, the effects of Eotaxin-2, Eotaxin and CCL13/MCP-4 are mediated by the receptor CCR3.

## References:

1. Forssmann, U. *et al.* (1997) *J. Exp. Med.* **185**:2171.
2. Patel, V.P. *et al.* (1997) *J. Exp. Med.* **185**:1163.