Human CCL26/Eotaxin-3 Antibody
Monoclonal Mouse IgG, Clone # 115002
Catalog Number: MAB653

DESCRIPTION
Species Reactivity Human
Source Monoclonal Mouse IgG, Clone # 115002
Purification Protein A or G purified from ascites
Immunogen E. coli-derived recombinant human CCL26/Eotaxin-3 Thr24-Leu94
Accession # Q0Y258
Endotoxin Level <0.10 EU per 1 µg of the antibody by the LAL method.
Formulation Lyophilized from a 0.2 µg/mL 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 µg/mL 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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Human CCL26/Eotaxin-3 Sandwich Immunoassay</td>
<td>2-8 µg/mL</td>
<td>Human CCL26/Eotaxin-3 Antibody (Catalog # MAB653)</td>
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<tr>
<td>ELISA Capture</td>
<td>0.1-0.4 µg/mL</td>
<td>Human CCL26/Eotaxin-3 Biotinylated Antibody (Catalog # BAF346)</td>
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<tr>
<td>Standard</td>
<td></td>
<td>Recombinant Human CCL26/Eotaxin-3 (Catalog # 653-ES)</td>
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Neutralization
Measured by its ability to neutralize CCL26/Eotaxin-3-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CCR3. The Neutralization Dose (ND$_{50}$) is typically 2-8 µg/mL in the presence of 1 µg/mL Recombinant Human CCL26/Eotaxin-3.

DATA

Western Blot
Detection of Human CCL26/Eotaxin-3 by Western Blot. Western blot shows lysates of HUVEC human umbilical vein endothelial cells untreated (-) or treated (+) with 100 U/mL Recombinant Human IL-4 (Catalog # 204-IL) for 24 hours. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human CCL26/Eotaxin-3 Monoclonal Antibody (Catalog # MAB653) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for CCL26/Eotaxin-3 at approximately 12 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Neutralization
Chemotaxis induced by CCL26/Eotaxin-3 and Neutralization by Human CCL26/Eotaxin-3 Antibody. Recombinant Human CCL26/Eotaxin-3 (Catalog # 345-ES) chemotacts 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 Human CCL26/Eotaxin-3 (1 µg/mL) is neutralized (green line) by increasing concentrations of Human CCL26/Eotaxin-3 Monoclonal Antibody (Catalog # MAB653). The ND$_{50}$ is typically 2-8 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.

BACKGROUND
CCL26, also known as Eotaxin-3, is a CC chemokine that functions as a chemoattractant for eosinophils and activated T cells through interactions with CCR3.