**Species Reactivity**
Human

**Specificity**
Detects human IL-17 in direct ELISAs and Western blots.

**Source**
Recombinant Monoclonal Mouse IgG1, Clone # 41802R

**Purification**
Protein A or G purified from cell culture supernatant

**Immunogen**
*E. coli*-derived recombinant human IL-17 Ile20-Ala155
Accession # Q16552

**Formulation**
Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. 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.

<table>
<thead>
<tr>
<th><strong>Recommended Concentration</strong></th>
<th><strong>Sample</strong></th>
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</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
</tr>
<tr>
<td>Intracellular Staining by Flow Cytometry</td>
<td>0.25 μg/10^6 cells</td>
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</tbody>
</table>

**DATA**

**Western Blot**
Detection of Human IL-17/IL-17A by Western Blot. Western blot shows lysates of human CD4+ T cells. PVDF membrane was probed with 1 μg/mL of Mouse Anti-Human IL-17/IL-17A Monoclonal Antibody (Catalog # MAB3171R) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for IL-17/IL-17A at approximately 17 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

**Intracellular Staining by Flow Cytometry**
Detection of IL-17/IL-17A in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) were unstimulated (light orange filled histogram) or treated with 50 ng/mL PMA and 250 ng/mL calcium ionomycin for 16 hours, then stained with Mouse Anti-Human IL-17/IL-17A Monoclonal Antibody (Catalog # MAB3171R, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

**Western Blot**
Detection of Human IL-17/IL-17A by Western Blot. Western blot shows lysates of HEK293 human embryonic kidney cell line either mock transfected or transfected with human IL-17/IL-17A. PVDF membrane was probed with 1 μg/mL of Mouse Anti-Human IL-17/IL-17A Monoclonal Antibody (Catalog # MAB3171R) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for IL-17/IL-17A at approximately 14-19 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.
**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**
Interleukin-17 (IL-17) is a pro-inflammatory cytokine secreted by activated T cells. It is the prototype member of the IL-17 family that also includes IL-17B, C, D, E, and F.