**Human IL-17/IL-17A APC-conjugated Antibody**

Monoclonal Mouse IgG1 Clone # 41802

Catalog Number: IC3171A

100 Tests, 25 Tests

**DESCRIPTION**

Species Reactivity Human

Specificity Detects human IL-17 in direct ELISAs. In direct ELISAs, approximately 40% cross-reactivity with recombinant human (rh) IL-17A/IL-17F heterodimer is observed. No cross-reactivity with recombinant mouse IL-17, recombinant canine Il-17, rhIL-17B, rhIL-17C, rhIL-17D, rhIL-17E, or rhIL-17F is observed.

**Source** Monoclonal Mouse IgG1 Clone # 41802

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

**Immunogen** E. coli-derived recombinant human IL-17

Ile20-Ala155

Accession # Q16552

**Conjugate** Allophycocyanin

Excitation Wavelength: 620-650 nm

Emission Wavelength: 660-670 nm

**Formulation** Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.

*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**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**

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<th>Sample</th>
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<td>10 µL/10^6 cells</td>
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**Intracellular Staining by Flow Cytometry**

**DATA**

**Intracellular Staining by Flow Cytometry**

Detection of IL-17/IL-17A in Human PBMCs by Flow Cytometry.

Human peripheral blood mononuclear cells (PBMCs) either (A) untreated or (B) treated with PMA and Calcium Ionomycin were stained with Mouse Anti-Human IL-17/IL-17A APC-conjugated Monoclonal Antibody (Catalog # IC3171A) and Mouse Anti-Human CD3ε PE-conjugated Monoclonal Antibody (Catalog # FAB100P).

Quadrant markers were set based on control antibody staining (Catalog # IC002A). 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.

**PREPARATION AND STORAGE**

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze.

- 12 months from date of receipt, 2 to 8 °C as supplied.

**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.