**APC Rat Anti-Mouse/Anti-Human IL-5**

**Product Information**

- **Material Number:** 554396
- **Size:** 0.1 mg
- **Concentration:** 0.2 mg/ml
- **Clone:** TRFK5
- **Immunogen:** Mouse Semi-Purified T-Cell Clone Supernatant
- **Isotype:** Rat IgG1, κ
- **Reactivity:**
  - QC Testing: Mouse
  - Tested in Development: Human
- **Storage Buffer:** Aqueous buffered solution containing <0.09% sodium azide.

**Description**

The TRFK5 antibody reacts with mouse interleukin-5 (IL-5) and cross-reacts with human IL-5. The TRFK5 antibody has been reported to cross react with IL-5 from rhesus monkey. This is a neutralizing antibody.

**Preparation and Storage**

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

**Application Notes**

**Application**

- Intracellular staining (flow cytometry) Routinely Tested

**Recommended Assay Procedure:**

For optimal immunofluorescent staining with flow cytometric analysis, this anti-cytokine antibody should be titrated. A suitable rat IgG1 isotype control assessing the level of background staining on fixed/permeabilized or human cells is APC Rat IgG1 κ, clone R3-34 (Cat. No. 554686). An isotype control should be used at comparable concentrations to antibody of interest. For specific methodology, please visit our website protocol section or refer to Chapter 4: Immunofluorescent Staining of Intracellular Molecules for Flow Cytometric Analysis in our handbook: Techniques for Immune Function Analysis Application Handbook 1st Edition, which also can be found at www.bdbiosciences.com.

**Suggested Companion Products**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554686</td>
<td>APC Rat IgG1, κ Isotype Control</td>
<td>0.1 mg</td>
<td>R3-34</td>
</tr>
<tr>
<td>554715</td>
<td>BD Cytofix/Cytoperm Plus Kit with BD GolgiStop</td>
<td>250 tests</td>
<td>(none)</td>
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**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. This APC-conjugated reagent can be used in any flow cytometer equipped with a dye, HeNe, or red diode laser.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com.colors.
6. An isotype control should be used at the same concentration as the antibody of interest.

**References**


**BD Biosciences**

For country contact information, visit bdbiosciences.com/contact

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