10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-IL-5-AcalephFluor555-labled

Catalog # AP101653

## Product Information

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|---|---|
| **Application** | FC, IF/IC |
| **Primary Accession** | P05113 |
| **Other Accession** | P04401 |
| **Reactivity** | Human, Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 15238 |

## Additional Information

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|---|---|
| **Gene ID** | 3567 |
| **Other Names** | Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF |
| **Target/Specificity** | Recognizes human/mouse IL-5 |
| **Dilution** | FC~~1:10~50 IF/IC~~N/A |
| **Format** | Rat IgG1. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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|---|---|
| **Name** | IL5 |
| **Function** | Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:2653458, PubMed:9010276). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed:1495999, PubMed:22528658). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed:7613138). |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Present in peripheral blood mononuclear cells. |

## Background

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.