

**DESCRIPTION**

<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse IL-5 in ELISAs. In sandwich immunoassays with BAM6051 as the detection antibody, no cross-reactivity with recombinant human (rh) IL-3, rhGM-CSF, or recombinant mouse (rm) IL-5 is observed. In sandwich ELISAs with BAM705 as the detection antibody, no cross-reactivity with rhIL-5, rmlIL-3, or rmGM-CSF is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # TRFK5
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse T cell clone-derived partially purified recombinant mouse IL-5
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood monocytes treated with PMA and Calcium Ionomycin, fixed with paraformaldehyde and permeabilized with saponin

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> • 12 months, 2 to 8 °C under sterile conditions after opening.

**BACKGROUND**

IL-5 is a disulfide-linked homodimeric cytokine that is secreted by T cells. IL-5 promotes the proliferation, differentiation, and activation of eosinophils. It binds to a receptor complex consisting of one IL-5 specific α chain and one non-binding common β chain that is shared with the receptors for GM-CSF and IL-3.

**PRODUCT SPECIFIC NOTICES**

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