

## DESCRIPTION

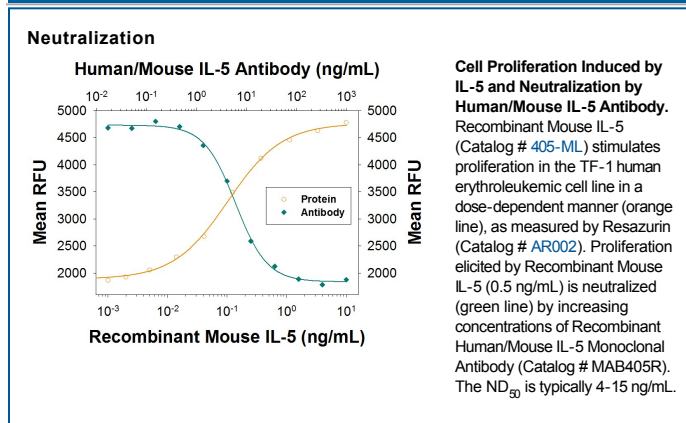
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse IL-5 in ELISAs. In sandwich immunoassays with BAM6051 as the detection antibody, no cross-reactivity with recombinant human (rh) IL-3, rhGM-CSF, or recombinant mouse (rm) IL-5 is observed. In sandwich ELISAs with BAM705 as the detection antibody, no cross-reactivity with rhIL-5, rmIL-3, or rmGM-CSF is observed.
<b>Source</b>	Recombinant Monoclonal Rat IgG <sub>1</sub> Clone # TRFK5R
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Mouse T cell clone-derived partially purified recombinant mouse IL-5
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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.

Human IL-5 Sandwich Immunoassay		Reagent
<b>ELISA Capture</b>	2-8 µg/mL	Human/Mouse IL-5 Antibody (Catalog # <a href="#">MAB405R</a> )
<b>ELISA Detection</b>	0.5-2.0 µg/mL	Human IL-5 Biotinylated Antibody (Catalog # <a href="#">BAM6051</a> )
<b>Standard</b>		Recombinant Human IL-5 (Catalog # <a href="#">205-IL</a> )
Mouse IL-5 Sandwich Immunoassay		Reagent
<b>ELISA Capture</b>	2-8 µg/mL	Human/Mouse IL-5 Antibody (Catalog # <a href="#">MAB405R</a> )
<b>ELISA Detection</b>	0.5-2.0 µg/mL	Mouse IL-5 Biotinylated Antibody (Catalog # <a href="#">BAM705</a> )
<b>Standard</b>		Recombinant Mouse IL-5 (Catalog # <a href="#">405-ML</a> )
<b>Neutralization</b>	Measured by its ability to neutralize IL-5-induced proliferation in the TF-1 human erythroleukemic cell line. Kitamura, T. <i>et al.</i> (1989) <i>J. Cell Physiol.</i> <b>140</b> :323. The Neutralization Dose (ND <sub>50</sub> ) is typically 4-15 ng/mL in the presence of 0.5 ng/mL Recombinant Mouse IL-5.	

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.