



# Anti-IL5 monoclonal antibody, clone USGL5 [Biotin] (DCABY-4287)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** Interleukin 5 (IL-5) is a T cell-derived factor that promotes the proliferation, differentiation and activation of eosinophils. In mice, IL-5 is also a growth and differentiation factor for B cells. Various names previously used to describe IL-5 include: Tcell replacing factor (TRF), B cell growth factor II (BCGFII), B cell differentiation factor  $\mu$  (BCDF  $\mu$ ), eosinophil differentiation factor (EDF) and eosinophil colony-stimulating factor (Eo-CSF). Biologically active IL-5 is a disulfide-linked homodimer. Rat IL-5 is 94% and 70% identical to mouse and human IL-5, respectively.

**Specificity** Detects mouse IL-5 in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human (rh) IL-5, recombinant mouse (rm)IL-3, or rmGM-CSF is observed.

**Immunogen** Mouse T cell clone-derived partially purified recombinant mouse IL-5

**Isotype** IgG2a

**Source/Host** Rat

**Species Reactivity** Mouse

**Clone** USGL5

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

**Conjugate** Biotin

**Applications** ELISA Detection (Matched Pair)

**Format** Liquid

**Size** 50  $\mu$ g

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL5 interleukin 5 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	IL5
<b>Synonyms</b>	IL5; interleukin 5; IL-5; interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor;
<b>Entrez Gene ID</b>	<a href="#">16191</a>
<b>Protein Refseq</b>	<a href="#">NP_034688</a>
<b>UniProt ID</b>	<a href="#">P04401</a>
<b>Chromosome Location</b>	11 A5/B1; 11 31.99 cM
<b>Pathway</b>	Allograft rejection; Asthma; Autoimmune thyroid disease; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Fc epsilon RI signaling pathway; Hematopoietic cell lineage;
<b>Function</b>	cytokine activity; growth factor activity; interleukin-5 receptor binding;