



Anti-IL5 monoclonal antibody, clone USGL6 (DCABY-3914)

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 μ (BCDF μ), 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 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.
Immunogen	Mouse T cell clone-derived partially purified recombinant mouse IL-5
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	USGL6
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair), Intracellular Staining by Flow Cytometry, Neutralization
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	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

Gene Name	IL5 interleukin 5 [Mus musculus (house mouse)]
Official Symbol	IL5
Synonyms	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;
Entrez Gene ID	16191
Protein Refseq	NP_034688
UniProt ID	P04401
Chromosome Location	11 A5/B1; 11 31.99 cM
Pathway	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;
Function	cytokine activity; growth factor activity; interleukin-5 receptor binding;