

Rat Anti-IL5 Monoclonal Antibody

Cat. No. DMABT-H19267 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-IL5 Monoclonal Antibody
Species	Human
Source	Rat
Antigen Description	IL-5 is a homodimeric, disulphide-linked protein produced by T-cells. Monomeric human IL-5 is a 126 amino acid protein with a reported molecular weight of 26 kD for the homodimeric protein. Mouse and human IL-5 are approximately 70% identical. IL-5 has been shown to promote the growth of immature hematopoietic BFU-E progenitors, stimulate the activation and differentiation of eosinophils, and promote the generation of cytotoxic lymphocytes. TheKFT2-40E20antibody can neutralize the bioactivity of natural or recombinant IL-5.
Target	IL5
Immunogen	COS-expressed, recombinant human IL-5
Isotype	IgG2a, kappa
species	Human
Clone	KFT2-40E20
Conjugation	LEAF

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Applications	ELISA,ELISPOT,Neut,IHC,WB
Preparation	The LEAF (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISPOT capture antibody, a concentration range of 4-8 µg/ml is recommended. For ELISA capture applications, a concentration range of 1-4 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-5 recombinant protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	1.0 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. This LEAF solution contains no preservative; handle under aseptic conditions.
Size	500 µg

GENE INFORMATION

Gene Name	IL5 interleukin 5 (colony-stimulating factor, eosinophil) [Homo sapiens]
Official Symbol	IL5
Synonyms	IL5; interleukin 5 (colony-stimulating factor, eosinophil); interleukin-5; B cell differentiation factor I; EDF; eosinophil differentiation factor; IL 5; interleukin 5; T cell replacing factor; TRF; T-cell replacing factor; B-cell differentiation factor I; IL-5;
Gene ID	3567

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mRNA Refseq	NM_000879
Protein Refseq	NP_000870
MIM	147850
UniProt ID	P05113
Chromosome Location	5q23-q31
Pathway	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;
Function	cytokine activity; growth factor activity; interleukin-5 receptor binding; protein binding;

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