

# Rat Anti-IL5 Monoclonal Antibody

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

## SPECIFICATION

<b>Product Overview</b>	Rat Anti-IL5 Monoclonal Antibody
<b>Species</b>	Human
<b>Source</b>	Rat
<b>Antigen Description</b>	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.
<b>Target</b>	IL5
<b>Immunogen</b>	COS-expressed, recombinant human IL-5
<b>Isotype</b>	IgG2a, kappa
<b>species</b>	Human
<b>Clone</b>	KFT2-40E20
<b>Conjugation</b>	LEAF

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	ELISA,ELISPOT,Neut,IHC,WB
<b>Preparation</b>	The LEAF (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.
<b>Usage recommendation</b>	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.
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C. This LEAF solution contains no preservative; handle under aseptic conditions.
<b>Size</b>	500 µg

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL5 interleukin 5 (colony-stimulating factor, eosinophil) [ Homo sapiens ]</a>
<b>Official Symbol</b>	IL5
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3567</a>

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<b>mRNA Refseq</b>	NM_000879
<b>Protein Refseq</b>	NP_000870
<b>MIM</b>	147850
<b>UniProt ID</b>	P05113
<b>Chromosome Location</b>	5q23-q31
<b>Pathway</b>	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;
<b>Function</b>	cytokine activity; growth factor activity; interleukin-5 receptor binding; protein binding;

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