



20150116ML

Anti-Mouse IL-5 (#3M58)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M423
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of IL-5.

Target Background

Synonyms (Target):	IL5; IL-5
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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.

Database References TargetNeutrof IL-5 bioactivityalization

Protein RefSeq:	NP_034688.1
Uniprot ID:	P04401
mRNA RefSeq:	NM_010558.1

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#3M58)
Isotype	IgG1
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein of IL-5
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse IL-5 with FC.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

FC, N

Recommended usage:

FC: 1:100-500

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!