

DATASHEET

IL-5 Rat Monoclonal Antibody(TRFK5)

CAT. NO. AMA03863

KEY FEATURES

Target	IL-5	Source / Host	Rat
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Rat IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.	Storage	at-20°C

BACKGROUND

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils . Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation . Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB . Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IF/ICC	1:50 - 1:200
FC	1:500 - 1:2000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rat monoclonal antibody to IL-5
Specificity	Recognizes human/mouse IL-5
Antibody Type	Primary antibody
Immunogen	Partially-purified T cell clone supernatant
Purification	The antibody was purified by affinity chromatography.
Form/Buffer	Rat IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Alternative Names	Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF
Gene Symbol	IL5
Entrez Gene	3567(Human); 16191(Mouse)
SwissProt	P05113(Human); P04401(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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| DATA**| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

| NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.