

Mouse IL-5 Antibody Pair Set

Catalog No. E-KAB-0567

Applications

ELISA

Synonyms IL5;EDF;TRF;E-CSF;ESGF

Kit components & Storage

Title	Specifications	Storage
Mouse IL-5 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse IL-5 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

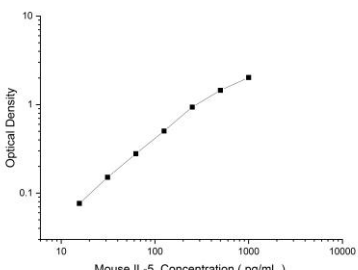
Product Information

Items		Characteristic (E-KAB-0567)	
		Mouse IL-5 Capture Antibody	Mouse IL-5 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-5 protien	Recombinant Mouse IL-5 protien
	Swissprot	P04401	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Rat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Mouse IL-5 in ELISAs.	

For Research Use Only

Applications

Mouse IL-5 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Mouse IL-5 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse IL-5 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils. Acts also 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.

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