

IL-5 Monoclonal Antibody (TRFK4), Biotin

Catalog NumberAMC0959

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Mouse
Host/Isotope	Rat / IgG2a	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	TRFK4	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Recombinant mouse interleukin-5.		
Conjugate	Biotin		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	purified		
Storage buffer	PBS, pH 7.2		
Contains	0.1% sodium azide		
Storage Conditions	-20°C		

Background/Target Information

IL-5 is a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. IL-5 cytokine is a main regulator of eosinopoiesis, eosinophil maturation and activation. The elevated production of this cytokine is reported to be related to asthma or hypereosinophilic syndromes. The receptor of IL-5 cytokine is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2 /GM-CSF). IL-5, together with those for interleukin 4 (IL4), interleukin 13 (IL13), and CSF2, form a cytokine gene cluster on chromosome 5. IL-5, IL4, and IL13 are found to be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.

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