

IL5

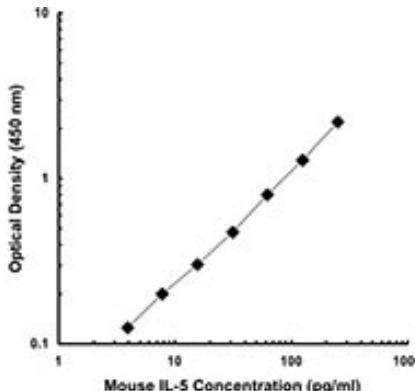
Rat Anti-Mouse IL-5 Clone TRFK4 Biotin mAb

Catalog No.	CSI10100 CSI10101	Quantity:	50 µg 0.5 mg
Alternate Names:	Interleukin-5, Eosinophil differentiation factor (EDF), Eosinophil colony stimulating factor (Eo-CSF), B cell growth factor-2 (BCGF-2), B cell differentiation factor for IgM (BCDF-m), IgA enhancing factor (IgA-EF), T-cell replacing factor-1 (TRF-1)		
Description:	IL-5 is a homodimeric, disulphide-linked protein produced by T-cells. The native protein can have variable molecular weight as a result of glycosylation. Monomeric mouse IL-5 is a 113 amino acid protein with a reported molecular weight of 35-37 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 and stimulates the activation, and differentiation of eosinophils, and promotes the generation of cytotoxic lymphocytes. Mouse IL-5 induces the differentiation and proliferation of pre-activated B-cells and stimulates the production and secretion of IgM and IgA by B-cells stimulated with bacterial endotoxin. The TRFK4 antibody reacts with mouse interleukin-5 (IL-5). The TRFK4 antibody can neutralize the bioactivity of natural or recombinant IL-5.		
Concentration:	0.5 mg/ml		
Gene ID:	16191		
Host:	Rat		
Immunogen:	Partially-purified T cell clone supernatant		
Isotype:	Rat IgG2a, κ		
Clone:	TRFK4		
Bioactivity:	Growth/differentiation of B cells, eosinophils; proliferation/cell activation/differentiation of eosinophilic granulocytes		
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.		
Reactivity:	Mouse		
Applications:	ELISA Detection, ELISPOT Detection		
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.25-1.0 µg/ml is recommended. To obtain a		



linear standard curve, serial dilutions of mouse IL-5 recombinant protein ranging from 250 to 1 pg/ml are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 1-4 μ g/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability: The antibody solution should be stored undiluted at 2-4°C. **Do not freeze.**



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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