

## IL5

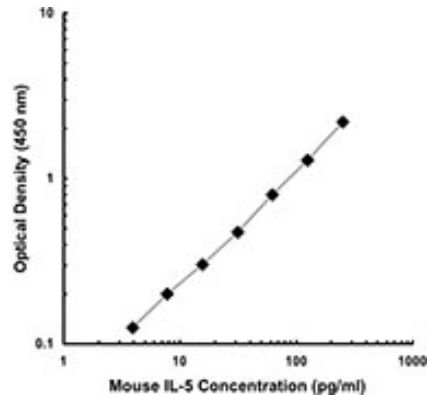
### Rat Anti-Mouse IL-5 Clone TRFK4 Biotin mAb

<b>Catalog No.</b>	CSI10100 CSI10101	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	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)		
<b>Description:</b>	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.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	16191		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	Partially-purified T cell clone supernatant		
<b>Isotype:</b>	Rat IgG2a, κ		
<b>Clone:</b>	TRFK4		
<b>Bioactivity:</b>	Growth/differentiation of B cells, eosinophils; proliferation/cell activation/differentiation of eosinophilic granulocytes		
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.		
<b>Reactivity:</b>	Mouse		
<b>Applications:</b>	ELISA Detection, ELISPOT Detection		
<b>Recommended Usage:</b>	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 µg/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.**



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