

## IL5

### Rat Anti-Human IL-5 Clone TRFK5 mAb

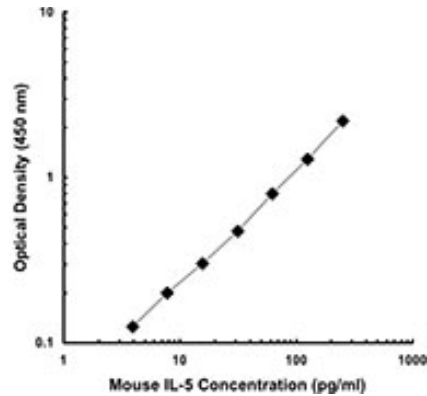
<b>Catalog No.</b>	CSI10943 CSI10944	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	Interleukin-5, Eosinophil differentiation factor (EDF), Eosinophil colony stimulating factor (Eo-CSF), B cell growth factor-2 (BCGF-2), B cell differentiation factor for IgM (BCDF-m), IgA enhancing factor (IgA-EF), T-cell replacing factor-1 (TRF-1)		
<b>Description:</b>	IL-5 is a homodimeric, disulphide-linked protein produced by T-cells. Monomeric human IL-5 is a 126 amino acid protein with a reported molecular weight of 26 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, stimulate the activation and differentiation of eosinophils, and promote 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 TRFK5 antibody can neutralize the bioactivity of natural or recombinant IL-5.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	3567		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	Partially-purified T cell clone supernatant		
<b>Isotype:</b>	Rat IgG1, κ		
<b>Clone:</b>	TRFK5		
<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.		
<b>Reactivity:</b>	Mouse, Human, <b>Cross-Reactivity:</b> Guinea Pig		
<b>Applications:</b>	ELISA Capture, IHC, WB		
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 1-4 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 when paired with TRFK4. To obtain a		



linear standard curve, serial dilutions of human IL-5 recombinant protein ranging from 250 to 1 pg/ml are recommended for each ELISA plate when paired with JES1-5A10. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage & Stability:**

The antibody solution should be stored undiluted at 4 °C. **Do not freeze.**



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

