



Rat Anti-Mouse IL-5 Monoclonal antibody, clone TRFK5 (CABT-L4468)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The TRFK5 monoclonal antibody reacts with mouse and human interleukin-5 (IL-5), a 26 kDa homodimeric cytokine. IL-5 stimulates B lymphocyte differentiation and proliferation and increases the secretion of IgM and IgA.
Target	Mouse/Human IL-5
Immunogen	Mouse partially-purified T cell clone supernatant
Isotype	IgG1, κ
Source/Host	Rat
Species Reactivity	Human, Mouse
Clone	TRFK5
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo IL-5 neutralization, in vivo eosinophil depletion
Molecular Weight	150 kDa
Format	0.2 μ M filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The TRFK5 monoclonal antibody reacts with mouse and human interleukin-5 (IL-5), a 26 kDa homodimeric cytokine. IL-5 stimulates B lymphocyte differentiation and proliferation and increases the secretion of IgM and IgA. It is also a key mediator in eosinophil activation and differentiation. IL-5 has long been associated with the cause of several allergic diseases including allergic rhinitis and asthma, wherein a large increase in the number of circulating, airway tissue, and induced sputum eosinophils have been observed. The TRFK5 antibody has been shown to neutralize the bioactivity of natural or recombinant IL-5.
Keywords	IL5;interleukin 5;EDF;TRF;IL-5;interleukin-5;T-cell replacing factor;B-cell differentiation factor I;eosinophil differentiation factor;colony-stimulating factor, eosinophil;

GENE INFORMATION

Official Symbol	interleukin 5
Synonyms	IL5; interleukin 5; EDF; TRF; IL-5; interleukin-5; T-cell replacing factor; B-cell differentiation factor I; eosinophil differentiation factor; colony-stimulating factor, eosinophil;
References	Moynihan, K. D., et al. (2016). "Eradication of large established tumors in mice by combination immunotherapy that engages innate and adaptive immune responses." Nat Med. doi: 10.1038/nm.4200. PubMed;