

# Rabbit anti-Human IL-5 mAb (DET)

**Catalog No.: RM17738**

## Basic Information

**Catalog No.**  
RM17738

**Category**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification


**Endotoxin Level**


**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, pH 7.4.

## Contact

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 | [www.abclonal.com](http://www.abclonal.com)

## Background

Interleukin 5 (IL5) is an interleukin produced by type-2 T helper cells and mast cells. IL-5 is a 115-amino acid (in human, 133 in the mouse) -long TH2 cytokine that is part of the hematopoietic family. Unlike other members of this cytokine family (namely interleukin 3 and GM-CSF), this glycoprotein in its active form is a homodimer. Interleukin-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. Given the high concordance of eosinophils and, in particular, allergic asthma pathology, it has been widely speculated that eosinophils have an important role in the pathology of this disease. Drugs that target IL-5 are mepolizumab and reslizumab.

## Immunogen Information

**Immunogen**  
Recombinant IL-5 Protein

## Cross-Reactivity

No cross-reactivity in ELISA assay with recombinant hIL-2, hIL-3, hIL-4, hIL-9, mIL-5, mIL-2, mIL-4, mIL-9, Human GM-CSF, mGM-CSF, rGM-CSF

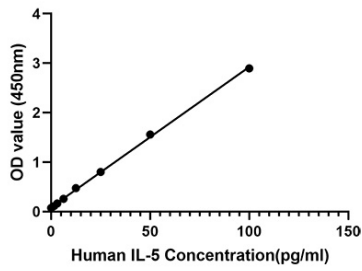
## Assay Applications

Human IL-5 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human IL-5 mAb (CAP) (Cat. No.RM17737)
ELISA Detection	0.04-0.16ug/mL	Rabbit anti-Human IL-5 mAb (DET) (Cat. No.RM17738)
Standard	1.56-100pg/mL	Rabbit anti-Human IL-5 Protein

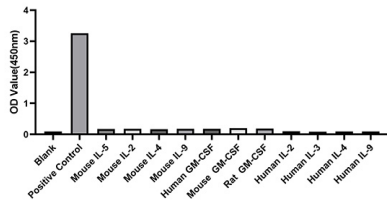
# Validation Data

**Human IL-5 ELISA Kit**



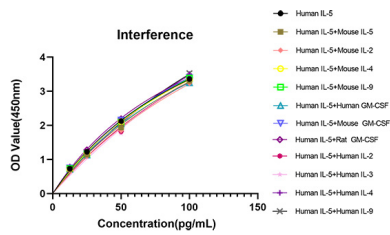
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

**Specificity**



No significant cross-reactivity or interference was observed.

**Interference**



No significant cross-reactivity or interference was observed.