

Rabbit anti-Human IL-5 mAb (CAP)

Catalog No.: RM17737

Basic Information

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RM17737

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

 | order@abclonal.com

 | support@abclonal.com

 | 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

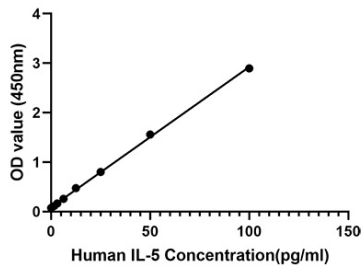
Assay Applications

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

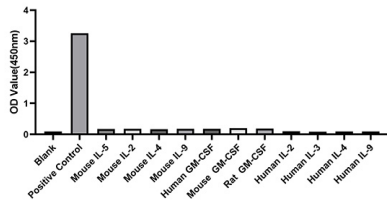
Validation Data

Human IL-5 ELISA Kit



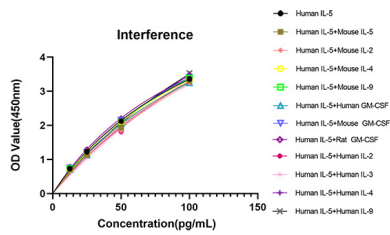
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

Specificity



No significant cross-reactivity or interference was observed.

Interference



No significant cross-reactivity or interference was observed.