Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-5 mAb (CAP)

Catalog No.: RM17737

Basic Information

Catalog No.
RM17737

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex,CLIA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2μm filtered solution in PBS with 0.05% Proclin300, PH 7.4.

Contact

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www.abclonal.com

Background

This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31.

Immunogen Information

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 20-134 of human IL-5 (NP_000870.1).

Cross-Reactivity

No cross-reactivity in ELISA 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

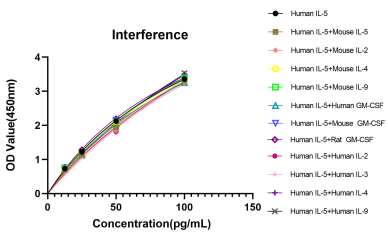
Assay Applications

Human IL-5 Sandwich Immunoassay

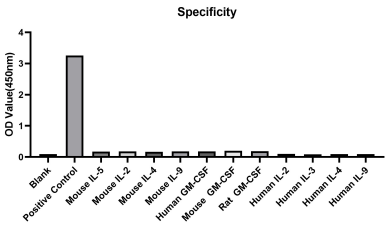
		Recommended Concentration	Sample
ELISA	Capture	1-4ug/mL	Rabbit anti-Human IL-5 mAb(Cat. No.RM17737)
	Detection	0.04-0.16ug/mL	Rabbit anti-Human IL-5 mAb(Cat. No.RM17738□
	Standard	1.56-100pg/mL	Rabbit anti-Human IL-5 Protein

CLIA	Capture	1-4ug/mL	Rabbit anti-Human IL-5 mAb(Cat. No.RM17737)
	Detection	0.5-2ug/mL	Rabbit anti-Human IL-5 mAb(Cat. No.RM17738)
	Standard	2.5-10ng/mL	Rabbit anti-Human IL-5 Protein

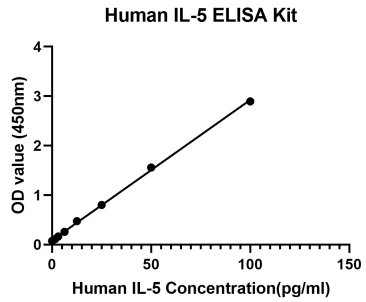
Validation Data



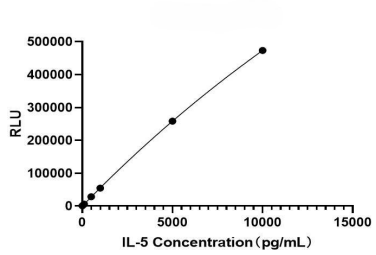
No significant cross-reactivity or interference was observed.



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



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