Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Chicken IL-10 mAb (CAP)

Catalog No.: RM17835

Basic Information

Catalog No.
RM17835

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

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

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.4.

Contact

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Background

Major immune regulatory cytokine that acts on many cells of the immune system where it has profound anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Mechanistically, IL10 binds to its heterotetrameric receptor comprising IL10RA and IL10RB leading to JAK1 and STAT2-mediated phosphorylation of STAT3. In turn, STAT3 translocates to the nucleus where it drives expression of anti-inflammatory mediators. Targets antigen-presenting cells (APCs) such as macrophages and monocytes and inhibits their release of pro-inflammatory cytokines including granulocyte-macrophage colony-stimulating factor /GM-CSF, granulocyte colony-stimulating factor/G-CSF, IL-1 alpha, IL-1 beta, IL-6, IL-8 and TNF-alpha. Interferes also with antigen presentation by reducing the expression of MHC-class II and co-stimulatory molecules, thereby inhibiting their ability to induce T cell activation

Immunogen Information

Immunogen
Recombinant Chicken IL-10 Protein

Cross-Reactivity

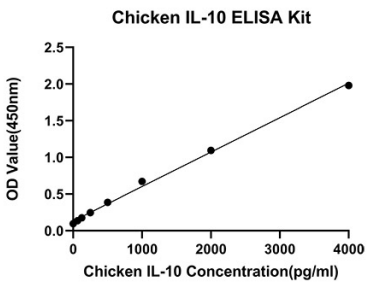
Chicken

Assay Applications

Chicken IL-10 Sandwich Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-4 μg/mL	Rabbit anti-Chicken IL-10 mAb (Cat. No. RM17835)
ELISA Detection	0.1-0.4 μg/mL	Rabbit anti-Chicken IL-10 mAb (Cat. No. RM17836)
Standard	62.5-4000 pg/mL	Recombinant Chicken IL-10 Protein

Validation Data



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