

# 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°C.  
**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

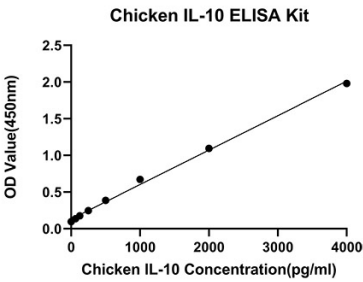
Chicken

## 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 each assay.