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# Rabbit anti-Chicken IL-10 mAb (DET)

**Catalog No.: RM17836**

## Basic Information

**Catalog No.**
RM17836

**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

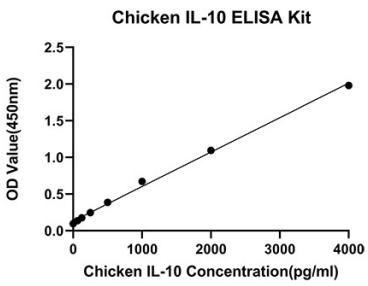
Chicken

## 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.