

# Rabbit anti-Human IL-10 mAb (CAP)

**Catalog No.: RM17643**

## Basic Information

**Catalog No.**  
RM17643

**Catagory**  
Elisa Antibody Kit

**Application**  
multiplex assay

## 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:0.1%Braveds MB-1  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1%Braveds MB-1,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. In addition, controls the inflammatory response of macrophages by reprogramming essential metabolic pathways including mTOR signaling (By sim...

## Immunogen Information

**Immunogen**  
Recombinant Human IL-10 Protein  
Ser19-Asn178  
Accession #P22301

## Cross-Reactivity

No cross-reactivity in multiplex assay with recombinant rIL-10,,mIL-10

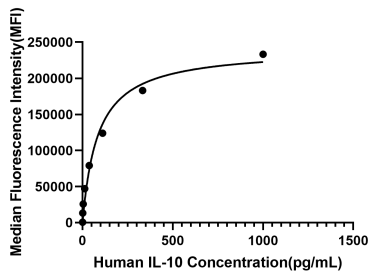
## Assay Applications

Human IL-10 multiplex assay

	Recommended Concentration	Sample
ELISA Capture	10ug/106	Rabbit anti-Human IL-10 mAb (CAP)(Cat. No. RM17643)
ELISA Detection	0.5-2ug/mL	Rabbit anti-Human IL-10 mAb (DET)(Cat. No. RM17644)
Standard	1.4-1000pg/mL	Recombinant IL-10 Protein (Cat. No. RM94521)

## Validation Data

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