

Rabbit anti-Human IL-10 mAb (DET)

Catalog No.: RM17644

Basic Information

Catalog No.
RM17644

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

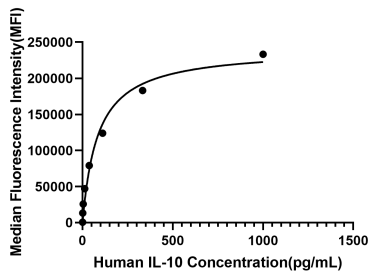
No cross-reactivity in multiplex assay with recombinant rIL-10,,mIL-10

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



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