

# IL-10 Rabbit mAb

Catalog # AP77246

## Product Information

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<b>Application</b>	WB, IF, FC, ICC
<b>Primary Accession</b>	<a href="#">P22301</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human IL10
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	20517

## Additional Information

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<b>Gene ID</b>	3586
<b>Other Names</b>	IL10
<b>Dilution</b>	WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	IL10
<b>Function</b>	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 (PubMed: <a href="#">16982608</a> ). In turn, STAT3 translocates to the nucleus where it drives expression of anti-inflammatory mediators (PubMed: <a href="#">18025162</a> ). 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 (PubMed: <a href="#">11564774</a> , PubMed: <a href="#">1940799</a> , PubMed: <a href="#">7512027</a> ). Also interferes with antigen presentation by reducing the expression of MHC-class II and co-stimulatory molecules, thereby inhibiting their ability to induce T cell activation (PubMed: <a href="#">8144879</a> ). In addition, controls

the inflammatory response of macrophages by reprogramming essential metabolic pathways including mTOR signaling (By similarity).

**Cellular Location**

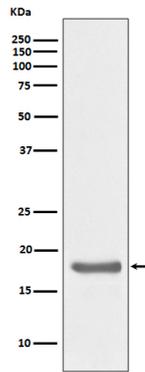
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**Tissue Location**

Produced by a variety of cell lines, including T- cells, macrophages, mast cells and other cell types

**Images**

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