

Polyclonal Antibody to Interleukin 10 (IL10)

Interleukin 10

Catalog # AP74534

Product Information

Application	WB
Primary Accession	Q6A2H4
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20514

Additional Information

Gene ID	428264
Other Names	CSIF; IL10A; TGIF; Cytokine Synthesis Inhibitory Factor
Target/Specificity	Chicken (Gallus)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	IL10 {ECO:0000312 EMBL:CAF21727.1}
Function	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. 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 (By similarity). In addition, controls the inflammatory response of macrophages by reprogramming essential metabolic pathways including mTOR signaling (By similarity).

Cellular Location	Secreted {ECO:0000250 UniProtKB:P22301}.
Tissue Location	Expressed predominantly in bursa of Fabricius and cecal tonsils with low levels in thymus, liver and lung

Images

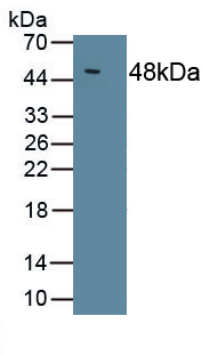


Figure. Western Blot; Sample: Recombinant IL10, Chicken.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.