

Product datasheet for **TA319291**

IL10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:20,000 - 1:100,000, WB: 1:2,000 - 1:10,000, IHC: 1:1,000 - 1:5,000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The whole rabbit serum was prepared by repeated immunizations with human IL-10.
Formulation:	None
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 10
Database Link:	NP_000563 Entrez Gene 3586 Human P22301
Synonyms:	CSIF; GVHDS; IL-10; IL10A; TGIF



[View online »](#)

Note: Anti IL-10 Antibody recognizes IL-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), that is an anti-inflammatory cytokine. In humans IL-10 is encoded by the IL10 gene. IL-10 is produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF- κ B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract and indeed patients with Crohn's disease react favorably towards treatment with bacteria producing recombinant interleukin 10, showing the importance of interleukin 10 for counteracting excessive immunity in the human body. Anti-IL-10 cytokine antibody is ideal for investigators involved Immunology and Signal Transduction research.

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Allograft rejection, Asthma, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Systemic lupus erythematosus, T cell receptor signaling pathway

Product images:



Anti IL-10 whole antiserum (TA319291) was tested against recombinant IL10. Recombinant IL-10 was run on a 4-20% reducing gel, and transferred to nitrocellulose. Membrane was blocked in 3% BSA-TBS for 1 Hour 4oC and probed with p/n TA319291 diluted 1:200 in 3% BSA-TBS o/n 4oC. Primary antibody was detected with Gt anti Rb 611-103-122 Lot#21231 1:20,000 in MB-070 1 Hour 4oC using FemtoMax Super sensitive chemiluminescent substrate.