

ARG56766 anti-IL10 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IL10
Tested Reactivity	Rat
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL10
Species	Rat
Immunogen	E.coli derived Recombinant Rat IL-10. (SKGHSIKGDN NCTHFPVSQT HMLRELRAAF SQVKTFFQKK DQLDNIVLTD SLLQDFKGYL GCQALSEMIK FYLVEVMPQA ENHGPEIKEH LNSLGEKLT LWIQLRRCHR FLPCENKSKA VEQVKNDFNK LQDKGVYKAM NEFDIFINCI EAYVTLKMKN)
Conjugation	Biotin
Alternate Names	IL10A; GVHDS; TGIF; IL-10; Cytokine synthesis inhibitory factor; CSIF; Interleukin-10

Application Instructions

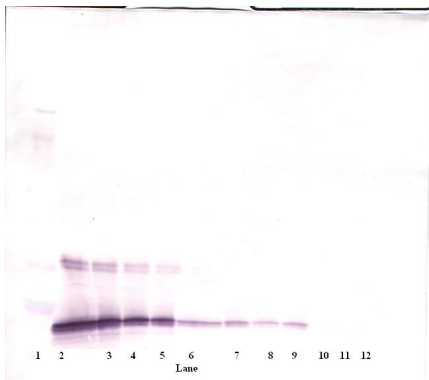
Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56656 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

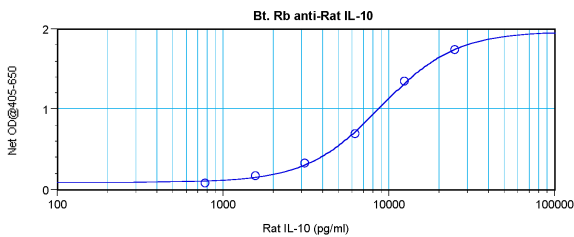
Database links	GeneID: 25325 Rat Swiss-port # P29456 Rat
Gene Symbol	Il10
Gene Full Name	interleukin 10
Background	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa 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. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.[provided by RefSeq, May 2011]
Function	Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. [UniProt]
Calculated Mw	21 kDa

Images



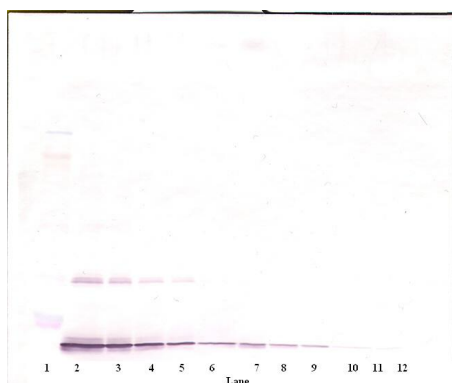
ARG56766 anti-IL10 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Rat IL-10 stained with ARG56766 anti-IL10 antibody (Biotin), under reducing conditions.



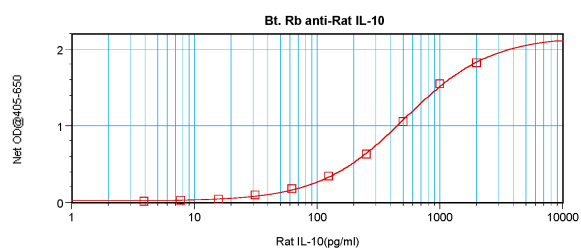
ARG56766 anti-IL10 antibody (Biotin) standard curve image

Direct ELISA: ARG56766 anti-IL10 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56766 anti-IL10 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Rat IL-10 stained with ARG56766 anti-IL10 antibody (Biotin), under non-reducing conditions.



ARG56766 anti-IL10 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56766 anti-IL10 antibody (Biotin) as a detection antibody at 0.25 - 1.0 μ g/ml combined with ARG56656 anti-IL10 antibody as a capture antibody. Results of a typical standard run with optical density.