

ARG56598 anti-IL10 antibody [2F4-11-1]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2F4-11-1] recognizes IL10
Tested Reactivity	Rat
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	2F4-11-1
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	Un-conjugated
Alternate Names	IL10A; GVHDS; TGIF; IL-10; Cytokine synthesis inhibitory factor; CSIF; Interleukin-10

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 8.0 - 16.0 µg/ml with ARG56766 as a detection antibody
	WB	0.5 - 1.0 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	Purification with Protein A.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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.

Bioinformation

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]

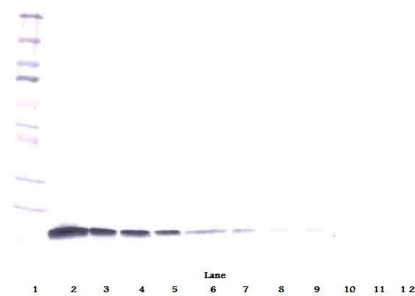
Calculated Mw

21 kDa

Images

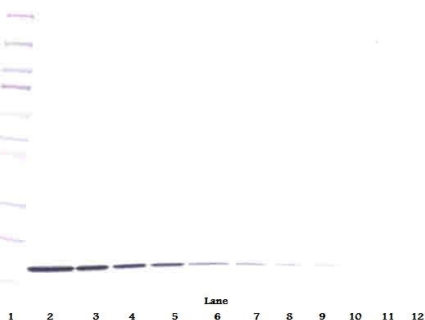
ARG56598 anti-IL10 antibody [2F4-11-1] WB image

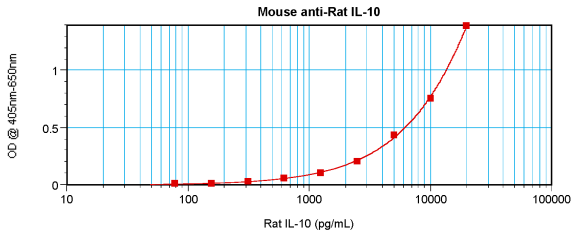
Western blot: 250 - 0.24 ng (left to right) of Rat IL-10 stained with ARG56598 anti-IL10 antibody [2F4-11-1], under reducing conditions.



ARG56598 anti-IL10 antibody [2F4-11-1] WB image

Western blot: 250 - 0.24 ng (left to right) of Rat IL-10 stained with ARG56598 anti-IL10 antibody [2F4-11-1], under non-reducing conditions.





ARG56598 anti-IL10 antibody [2F4-11-1] standard curve image

Sandwich ELISA: ARG56598 anti-IL10 antibody [2F4-11-1] as a capture antibody at 8.0 - 16.0 $\mu\text{g/ml}$ combined with ARG56766 anti-IL10 antibody (Biotin) as a detection antibody at $\sim 0.5 - 1.0 \mu\text{g/ml}$. Results of a typical standard run with optical density.