

ARG67118
anti-IL10 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL10
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL10
Species	Human
Immunogen	Human synthesized peptide derived IL10
Conjugation	Un-conjugated
Alternate Names	IL10; Interleukin 10; IL-10; CSIF; Cytokine Synthesis Inhibitory Factor; IL10A; TGIF; T-Cell Growth Inhibitory Factor; Interleukin-10; GVHDS

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100-300
	IHC-P	1:100-300
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

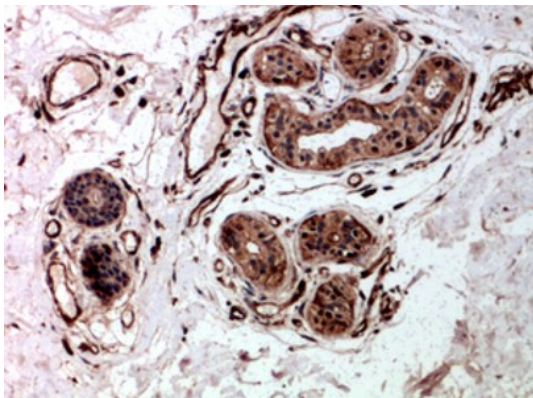
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.

Bioinformation

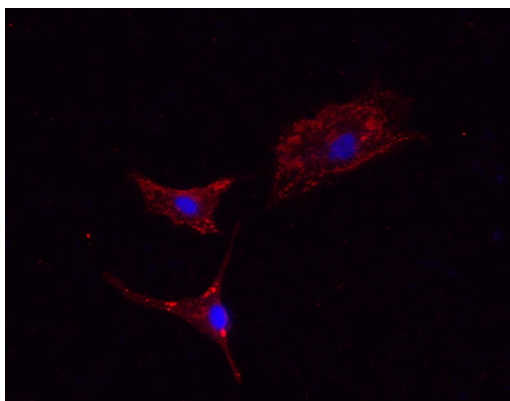
Gene Full Name	interleukin 10
Background	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, 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.
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.
Calculated Mw	21 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Secreted

Images



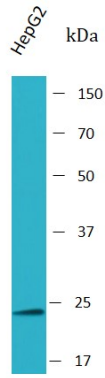
ARG67118 anti-IL10 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG67118 anti-IL10 antibody at 1:100 dilution.



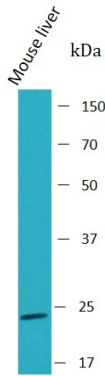
ARG67118 anti-IL10 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG67118 anti-IL10 antibody at 1:200 dilution.



ARG67118 anti-IL10 antibody WB image

Western blot: HepG2 stained with ARG67118 anti-IL10 antibody at 1:20000 dilution.



ARG67118 anti-IL10 antibody WB image

Western blot: Mouse liver stained with ARG67118 anti-IL10 antibody at 1:20000 dilution.