

ARG43844 anti-IL2 antibody [35C3]

Package: 100 µg
Store at: 4°C

Summary

Product Description	Mouse Monoclonal antibody recognizes IL2.
Tested Reactivity	Hu
Tested Application	ELISA, FACS, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	35C3
Isotype	IgG2b kappa
Target Name	IL2
Species	Human
Immunogen	Human IL2 recombinant protein.
Conjugation	Un-conjugated
Alternate Names	IL2; Interleukin 2; IL-2; TCGF; T Cell Growth Factor; Interleukin-2; Aldesleukin; Involved In Regulation Of T-Cell Clonal Expansion; T-Cell Growth Factor; Lymphokine

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	0.5-4 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

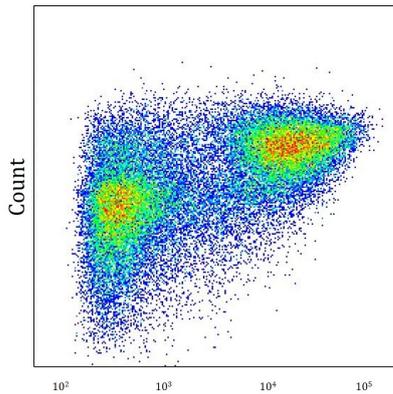
Properties

Form	Liquid
Purification	Protein-A affinity chromatography
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 4°C. Keep protected from prolonged exposure to light. Do not freeze. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	IL2
Gene Full Name	Interleukin 2
Background	<p>This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Sep 2020]</p>
Function	<p>Plays a pivotal role in regulating the adaptive immune system by controlling the survival and proliferation of regulatory T-cells, which are required for the maintenance of immune tolerance. Moreover, participates in the differentiation and homeostasis of effector T-cell subsets, including Th1, Th2, Th17 as well as memory CD8-positive T-cells.</p>
Calculated Mw	18 kDa
PTM	Disulfide bond; Glycoprotein
Cellular Localization	Secreted

Images



ARG43844 anti-IL2 antibody [35C3] FACS image

Flow Cytometry: Human whole blood stained with ARG43844 anti-IL2 antibody [35C3] at 0.5 µg/ml.