

## ARG56599 anti-IL2 antibody [1H10-1-1]

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

### Summary

Product Description	Mouse Monoclonal antibody [1H10-1-1] recognizes IL2
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1H10-1-1
Isotype	IgG1, kappa
Target Name	IL2
Species	Human
Immunogen	E.coli derived Recombinant Human IL-2. (MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFAQSII STLT)
Conjugation	Un-conjugated
Alternate Names	TCGF; IL-2; lymphokine; Interleukin-2; Aldesleukin; T-cell growth factor

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 4.0 - 8.0 µg/ml as a capture antibody
	IHC-P	2.5 µg/ml - 5.0 µg/ml
	WB	1.0 - 2.0 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

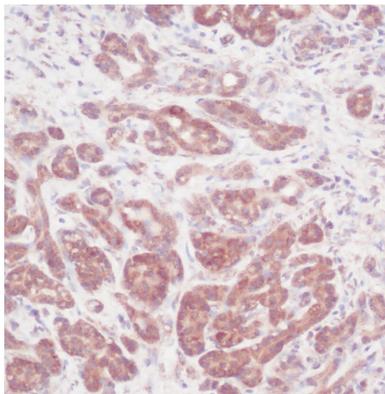
### Properties

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

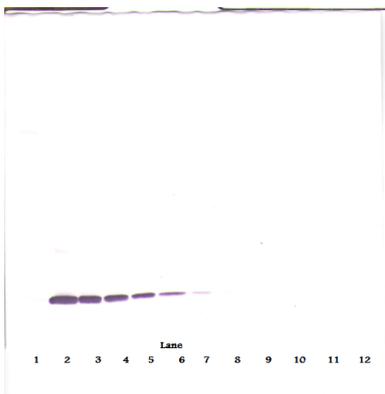
Database links	<a href="#">GeneID: 3558 Human</a> <a href="#">Swiss-port # P60568 Human</a>
Gene Symbol	IL2
Gene Full Name	interleukin 2
Background	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (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, Jul 2008]
Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. [UniProt]
Calculated Mw	18 kDa

## Images



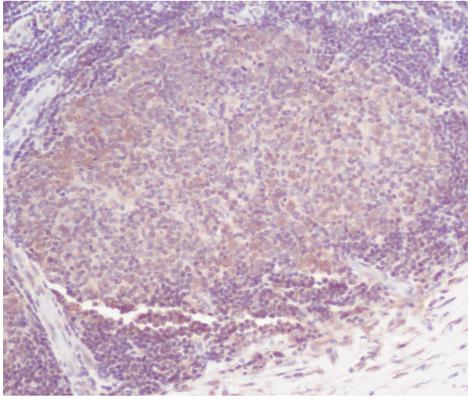
ARG56599 anti-IL2 antibody [1H10-1-1] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human breast invasive ductal carcinoma. The recommended ARG56599 anti-IL2 antibody [1H10-1-1] concentration is 2.5 µg/ml-5.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



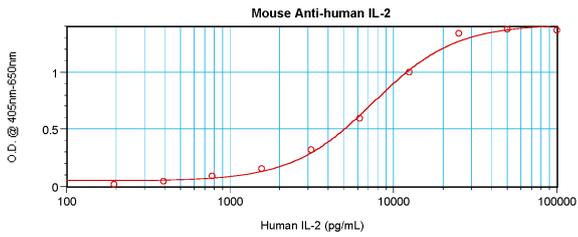
ARG56599 anti-IL2 antibody [1H10-1-1] WB image

Western blot: 250 - 0.24 ng (left to right) of Human IL-2 stained with ARG56599 anti-IL2 antibody [1H10-1-1], under reducing conditions.



ARG56599 anti-IL2 antibody [1H10-1-1] IHC-P image

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ARG56599 anti-IL2 antibody [1H10-1-1] standard curve image

Sandwich ELISA: ARG56599 anti-IL2 antibody [1H10-1-1] as a capture antibody at 4.0 - 8.0 µg/ml combined with anti-IL2 antibody (Biotin) as a detection antibody at ~ 1.0 - 2.0 µg/ml. Results of a typical standard run with optical density.