

For Research Use Only

IL-2 Monoclonal antibody

Catalog Number: 60306-1-Ig **8 Publications**



Basic Information

Catalog Number: 60306-1-Ig	GenBank Accession Number: BC070338	Purification Method: Protein A purification
Size: 150ul , Concentration: 2600 µg/ml by Nanodrop and 2000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3558	CloneNo.: 2F11C5
Source: Mouse	UNIPROT ID: P60568	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: interleukin 2	
Immunogen Catalog Number: AG10199	Calculated MW: 153 aa, 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls: WB : Jurkat cells, MOLT-4 cells, human peripheral blood leukocyte IHC : human tonsillitis tissue, human breast cancer tissue IF-P : human tonsillitis tissue,
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human, mouse, pig	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- γ production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Chengfen Wang	25264893	PLoS One	WB
Hai-long Yang	34657991	Inflammation	WB
Yinrui Guo	34045460	Transl Psychiatry	WB

Storage

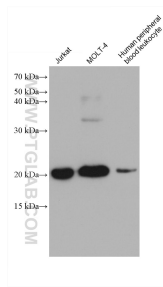
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

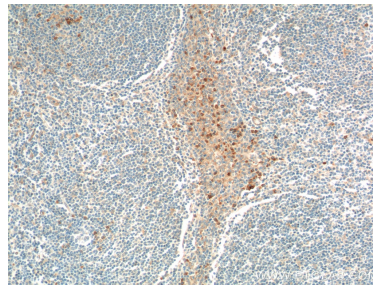
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

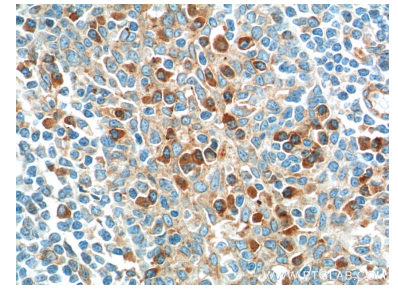
Selected Validation Data



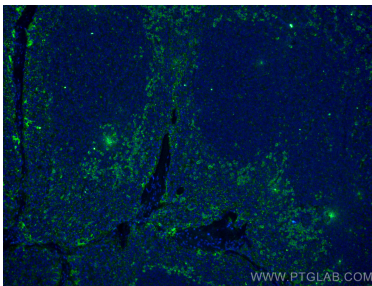
Various lysates were subjected to SDS PAGE followed by western blot with 60306-1-Ig (IL-2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



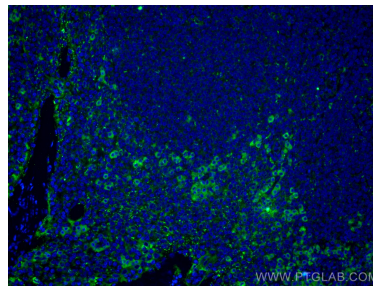
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60306-1-Ig (IL2 Antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60306-1-Ig (IL2 Antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-2 antibody (60306-1-Ig, Clone: 2F11C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-2 antibody (60306-1-Ig, Clone: 2F11C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).