

For Research Use Only

IL-17A Monoclonal antibody

Catalog Number: 66148-1-Ig

Featured Product

60 Publications



Basic Information

Catalog Number: 66148-1-Ig	GenBank Accession Number: BC067505	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3605	CloneNo.: 1B3D5
Source: Mouse	ENSEMBL Gene ID: ENSG00000112115	Recommended Dilutions: WB: 1:500-1:2000 IF-P: 1:200-1:800
Isotype: IgG1	UNIPROT ID: Q16552	
Immunogen Catalog Number: AG3733	Full Name: interleukin 17A	
	Calculated MW: 155 aa, 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : A549 cells, Jurkat cells, Raji cells, U-937 cells, MOLT-4 cells, Ramos cells, Daudi cells, HL-60 cells, RAW 264.7 cells
Species Specificity: human, mouse	IF-P : human tonsillitis tissue,
Cited Species: human, mouse, rat, rabbit	

Background Information

IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased.

Notable Publications

Author	Pubmed ID	Journal	Application
Danyang Li	36267325	Int J Chron Obstruct Pulmon Dis	WB
Komal Ramani	36193675	Elife	WB
Jian Wang	31768762	In Vitro Cell Dev Biol Anim	WB

Storage

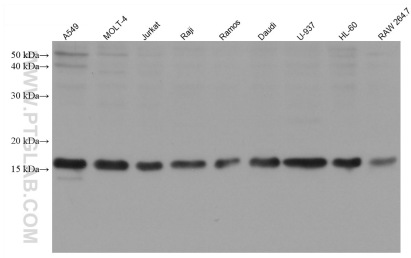
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

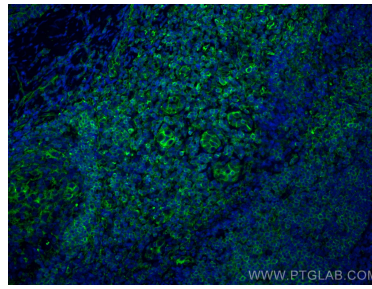
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 66148-1-Ig (IL-17A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-17A antibody (66148-1-Ig, Clone: 1B3D5) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).