

For Research Use Only

IL-17A Monoclonal antibody, PBS Only

Catalog Number: 66148-1-PBS

Featured Product



Basic Information

Catalog Number: 66148-1-PBS	GenBank Accession Number: BC067505	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3605	CloneNo.: 1B3D5
Source: Mouse	ENSEMBL Gene ID: ENSG00000112115	
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, IHC, IF-P, ELISA

Species Specificity:
human, mouse

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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

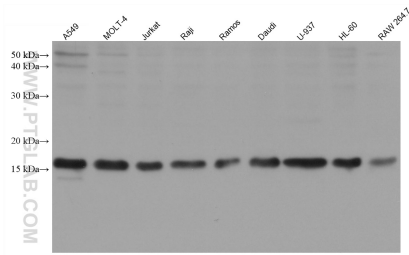
T: 4006900926

E: Proteintech-CN@ptglab.com

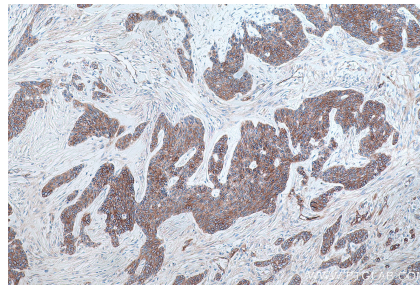
W: ptgcn.com

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

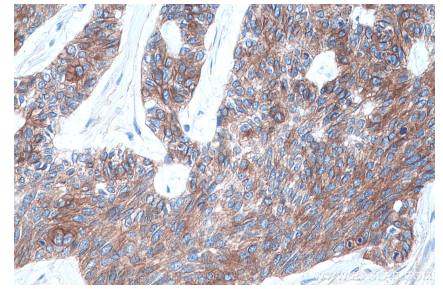
Selected Validation Data



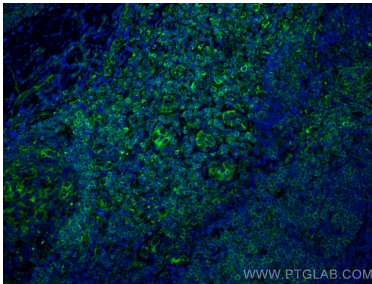
Various lysates were subjected to SDS PAGE followed by western blot with 66148-1-Ig (IL-17A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66148-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 66148-1-Ig (IL-17A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66148-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 66148-1-Ig (IL-17A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66148-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66148-1-PBS in a different storage buffer formulation.