

For Research Use Only

IL-17A Monoclonal antibody

Catalog Number: 66148-1-Ig

Featured Product

26 Publications



Basic Information

Catalog Number:

66148-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 507 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3733

GenBank Accession Number:

BC067505

GeneID (NCBI):

3605

ENSEMBL Gene ID:

ENSG00000112115

UNIPROT ID:

Q16552

Full Name:

interleukin 17A

Calculated MW:

155 aa, 18 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

1B3D5

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:500-1:2000

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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

Positive Controls:

WB : A549 cells, Jurkat cells, Raji cells, U-937 cells, MOLT-4 cells, Ramos cells, Daudi cells, HL-60 cells, RAW 264.7 cells

IHC : human skin cancer tissue, human colon tissue, human colon cancer tissue

IF-P : human tonsillitis tissue,

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

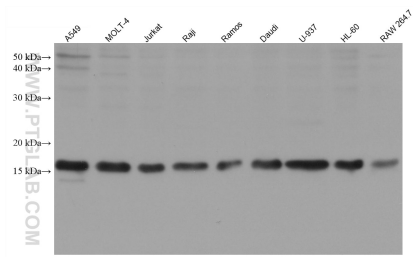
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

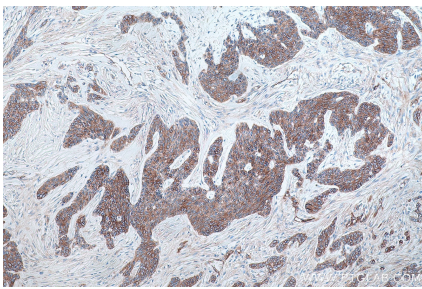
E: proteintech@ptglab.com
W: ptglab.com

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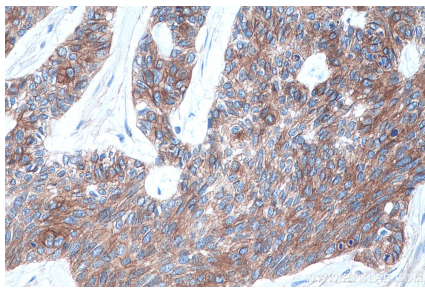
Selected Validation Data



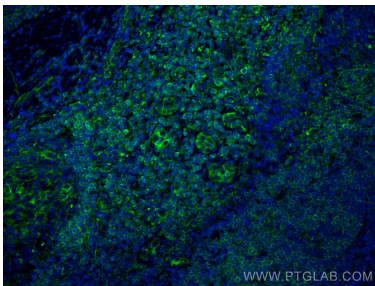
Various lysates were subjected to SDS PAGE followed by western blot with 66148-1-Ig (IL-17A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).



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).



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 Goat Anti-Mouse IgG(H+L).