

For Research Use Only

IL-17 Monoclonal ANTIBODY



Catalog Number: 66148-1-Ig

2 Publications

Basic Information

Catalog Number:
66148-1-Ig

Size:
119 µg/150 µl

Source:
Mouse

Isotype:
IgG1

Purification Method:
Protein G purification

Immunogen Catalog Number:
AG3733

GenBank Accession Number:
BC067505

GeneID (NCBI):
3605

Full Name:
interleukin 17A

Calculated MW:
155aa, 18 kDa

Observed MW:
18 kDa

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
FC, WB, ELISA

Cited Applications:
FC, WB

Species Specificity:
human

Cited Species:
human

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

Positive Controls:

WB : U-937 cells; Jurkat cells, Raji cells

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/COX2), 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
Ruiping Gu	28238753	Exp Eye Res	WB
Yuan-Hao Wu	27875659	DNA Cell Biol	FC

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

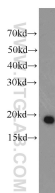
For technical support and original validation data for this product please contact:

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

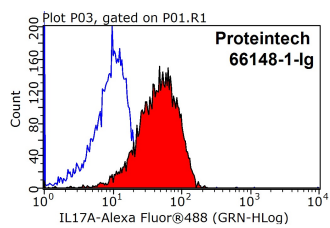
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 66148-1-Ig(IL-17 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



1X10⁶ Jurkat cells were stained with 0.2ug IL-17 antibody (66148-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.