

IL-4

Monoclonal ANTIBODY

Catalog Number: 66142-1-Ig

5 Publications

Basic Information

Catalog Number:
66142-1-Ig

Size:
111 µg/150 µl

Source:
Mouse

Isotype:
IgG2a

Purification Method:
Protein G purification

Immunogen Catalog Number:
AC9940

GenBank Accession Number:
BC070123

GeneID (NCBI):
3565

Full Name:
interleukin 4

Calculated MW:
153aa, 17 kDa

Observed MW:
18 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

ELISA, FC, IHC

Species Specificity:

human

Cited Species:

human, rat

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 : Jurkat cells;

IHC : human tonsillitis tissue;

Background Information

IL4 is a cytokine produced by CD4+ T cells in response to helminthes and other extracellular parasites. It promotes the proliferation and differentiation of antigen presenting cells. IL4 also plays a pivotal role in antibody isotype switching and stimulates the production of IgE. This cytokine has been applied in the treatment of autoimmune disorder like multiple myeloma, cancer, psoriasis, and arthritis. IL4 has also been extensively applied to inhibit detrimental effect of Th1. It may promote the growth of epithelial tumors by mediating increased proliferation and survival.

Notable Publications

Author	Pubmed ID	Journal	Application
Luodan Yang	29056360	Exp Neurol	ELISA
Li-Na Zhou	30285304	Oral Dis	IHC
Josué Díaz-Delgado	30936878	Front Immunol	IHC

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)

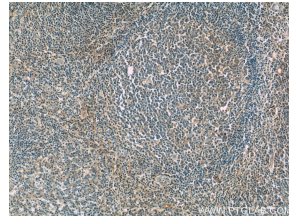
E: proteintech@ptglab.com
 W: ptglab.com

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

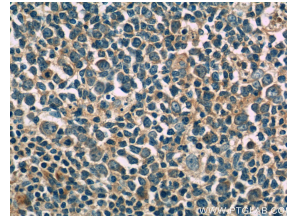
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66142-1-Ig(IL-4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66142-1-Ig(IL-4 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66142-1-Ig(IL-4 antibody) at dilution of 1:50 (under 40x lens)