

For Research Use Only

# IL-9 Monoclonal antibody, PBS Only

Catalog Number: 66144-1-PBS



## Basic Information

Catalog Number:

66144-1-PBS

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG21435

GenBank Accession Number:

BC066284

GeneID (NCBI):

3578

UNIPROT ID:

P15248

Full Name:

interleukin 9

Calculated MW:

144 aa, 16 kDa

Observed MW:

19 kDa

Purification Method:

Protein A purification

CloneNo.:

1F3A11

## Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human

## Background Information

Interleukin 9 (IL-9) is a  $\gamma$  c-family cytokine that is highly produced by T-helper 9 (Th9) cells. IL-9 could promote the survival and activation of various cellular targets, including mast cells, B cells, T cells, and structural cells. Its expression is considered a hallmark of Th2-lineage cells. Primarily studied in Th2-type immunity, IL-9 was shown to be involved in asthma, allergy, and host defense against helminth infections. IL-9 also stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. (PMID: 38864109; PMID: 29038115; PMID: 9505195; PMID: 29703631)

## 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, pH7.3

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

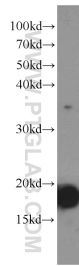
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

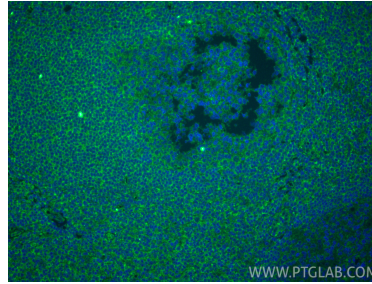
W: [ptgcn.com](http://ptgcn.com)

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

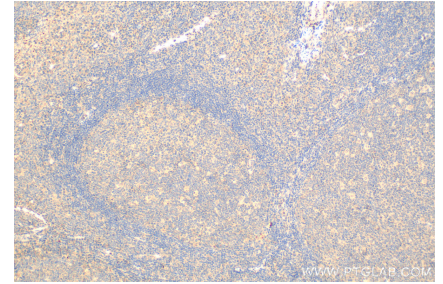
## Selected Validation Data



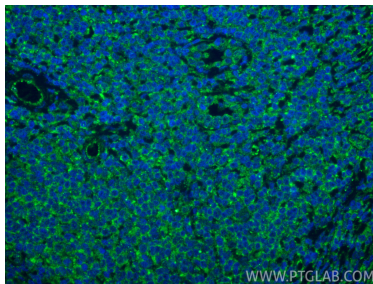
Recombinant protein were subjected to SDS PAGE followed by western blot with 66144-1-Ig (IL9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.



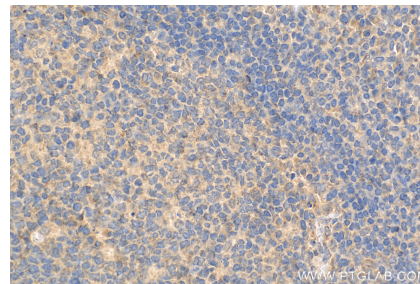
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using IL-9 antibody (66144-1-Ig, Clone: 1F3A11) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66144-1-Ig (IL-9 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using IL-9 antibody (66144-1-Ig, Clone: 1F3A11) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66144-1-Ig (IL-9 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.