

For Research Use Only

# IL-9 Monoclonal antibody, PBS Only

Catalog Number: 66144-1-PBS



## Basic Information

<b>Catalog Number:</b> 66144-1-PBS	<b>GenBank Accession Number:</b> BC066284	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 3578	<b>CloneNo.:</b> 1F3A11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P15248	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> interleukin 9	
<b>Immunogen Catalog Number:</b> AG21435	<b>Calculated MW:</b> 144 aa, 16 kDa	
	<b>Observed MW:</b> 19 kDa	

## 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.

## 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:

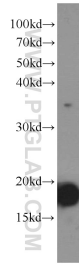
T: 4006900926

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

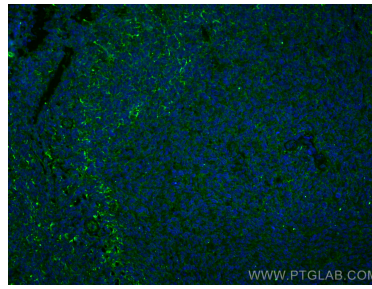
W: [ptgcn.com](http://ptgcn.com)

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

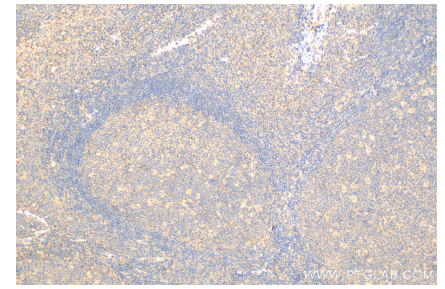
## Selected Validation Data



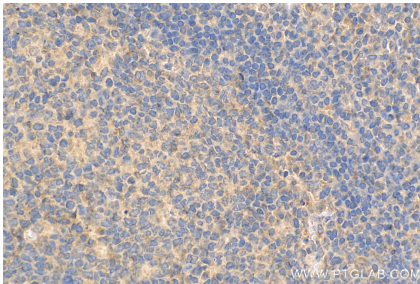
Recombinant protein were subjected to SDS PAGE followed by western blot with 66144-1-Ig (IL9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66144-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-9 antibody (66144-1-Ig, Clone: 1F3A11) 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 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.



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.