

For Research Use Only

# IL-33 Monoclonal ANTIBODY



Catalog Number: 66235-1-Ig **2 Publications**

## Basic Information

<b>Catalog Number:</b> 66235-1-Ig	<b>GenBank Accession Number:</b> BC047085	<b>Purification Method:</b> Thiophilic affinity chromatograph
<b>Size:</b> 150UL, Concentration: 1360 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 90865	<b>CloneNo.:</b> 2A9C7
<b>Source:</b> Mouse	<b>Full Name:</b> interleukin 33	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Isotype:</b> IgM	<b>Calculated MW:</b> 30 kDa	
<b>Immunogen Catalog Number:</b> AG21430	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB: human lung tissue, HepG2 cells IHC: human nasopharyngeal carcinoma tissue, IF: HepG2 cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

IL-33 is an IL-1 family cytokine and nuclear alarmin, is constitutively expressed in epithelial barrier tissues and human blood vessels. IL-33 is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. It also acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chia-Jung Kuo	31640262	Cells	WB,IF
Elena Vianello	31316160	Sci Rep	WB,IHC

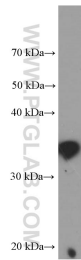
## Storage

**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

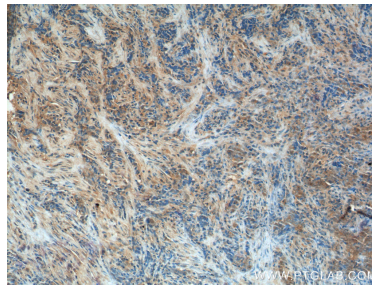
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

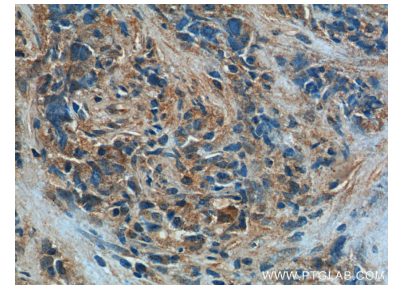
## Selected Validation Data



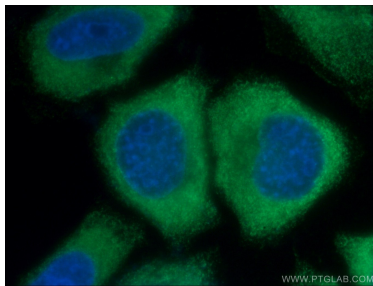
human lung tissue were subjected to SDS PAGE followed by western blot with 66235-1-Ig (IL33 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human nasopharyngeal carcinoma tissue slide using 66235-1-Ig (IL33 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human nasopharyngeal carcinoma tissue slide using 66235-1-Ig (IL33 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20 Ethanol) fixed HepG2 cells using 66235-1-Ig (IL33 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).