

For Research Use Only

# IL-33 Monoclonal antibody

Catalog Number: 66235-1-Ig **6 Publications**



## Basic Information

<b>Catalog Number:</b> 66235-1-Ig	<b>GenBank Accession Number:</b> BC047085	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 90865	<b>CloneNo.:</b> 2A9C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O95760	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgM	<b>Full Name:</b> interleukin 33	
<b>Immunogen Catalog Number:</b> AG21430	<b>Calculated MW:</b> 30 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : THP-1 cells, hTERT-RPE1 cells, human lung tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Mouse monoclonal antibodies of IgM isotype can be detected with "anti-mouse IgG (H+L)" secondary antibodies.</b>	

## Background Information

IL-33 is an IL-1 family cytokine and nuclear alarmin, and 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
Jufang Jia	36362328	Int J Mol Sci	WB,IF
Elena Vianello	31316160	Sci Rep	WB,IHC

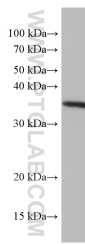
## Storage

**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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 66235-1-Ig (IL-33 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.