

For Research Use Only

# IL-19 Polyclonal antibody

Catalog Number: 23705-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 23705-1-AP	<b>GenBank Accession Number:</b> BC153127	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29949	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UHD0	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 19	
<b>Immunogen Catalog Number:</b> AG18887	<b>Calculated MW:</b> 177 aa, 20 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human skin cancer tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

IL-19, a member of the IL-10 cytokine family (IL-10, -19, -20, -22, -24, -26, -28, and -29), is expressed in epithelial cells, endothelial cells, and macrophages. It can bind the interleukin-20 receptor complex IL-20R1/IL-20R2 and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). IL-19 induces IL-6 and TNF- $\alpha$  production in monocytes. It also induces cell apoptosis and reactive oxygen species production in monocytes, which suggests a role of this cytokine in inflammatory responses. It is up-regulated in monocytes following stimulation with lipopolysaccharide (LPS), and granulocyte-macrophage colony-stimulating factor (GM-CSF). IL-19 alters the balance of Th1 and Th2 cells in favor of Th2 cells. IL-19 contributes to a range of diseases and disorders, such as breast cancer, squamous cell carcinoma of the skin, asthma, endotoxemic shock, uremia, psoriasis, rheumatoid arthritis, and periodontal and vascular disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hongwei Bao	36316415	Inflamm Res	IF

## Storage

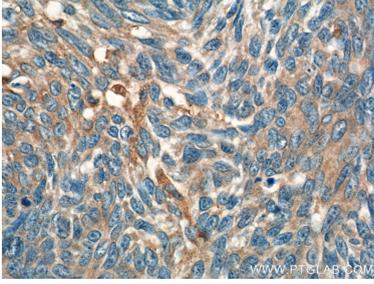
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 23705-1-AP (IL-19 antibody at dilution of 1:50 (under 40x lens).