

# IL-19 Monoclonal antibody

Catalog Number: 60278-1-Ig

## Basic Information

<b>Catalog Number:</b> 60278-1-Ig	<b>GenBank Accession Number:</b> BC153127	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1200 µg/ml	<b>GeneID (NCBI):</b> 29949	<b>CloneNo.:</b> 8H10H8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UHD0	<b>Recommended Dilutions:</b>
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 19	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG18887	<b>Calculated MW:</b> 177 aa, 20 kDa	IF-P 1:200-1:800
		IF/ICC 1:200-1:800

## Applications

**Tested Applications:**  
IHC, IF/ICC, IF-P, ELISA

**Species Specificity:**  
human

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

**Positive Controls:**

**IHC :** human tonsillitis tissue, human breast cancer tissue, human skin cancer tissue

**IF-P :** human tonsillitis tissue,

**IF/ICC :** U-937 cells,

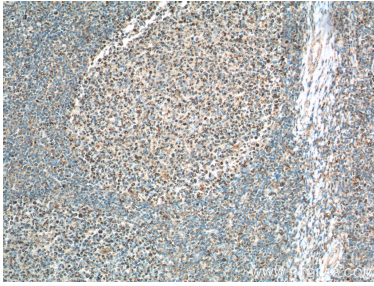
## Background Information

IL-19, a member of the IL-10 cytokine family, 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, endotoxic shock, uremia, psoriasis, rheumatoid arthritis, and periodontal and vascular disease.

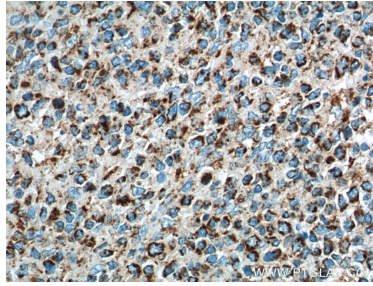
## Storage

**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**

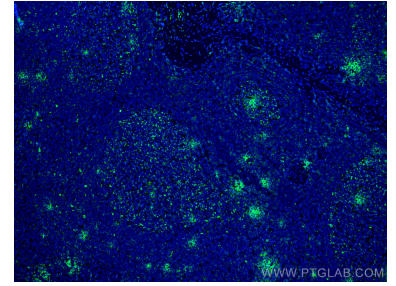
## Selected Validation Data



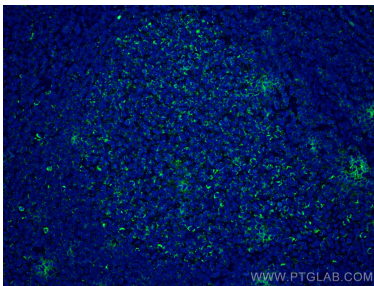
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60278-1-Ig (IL-19 antibody at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



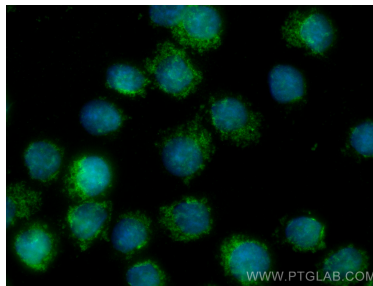
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60278-1-Ig (IL-19 antibody at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-19 antibody (60278-1-Ig, Clone: 8H10H8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-19 antibody (60278-1-Ig, Clone: 8H10H8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed U-937 cells using IL-19 antibody (60278-1-Ig, Clone: 8H10H8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).