

For Research Use Only

# CoraLite®594-conjugated IL-19 Monoclonal antibody

Catalog Number:CL594-60278



## Basic Information

Catalog Number: CL594-60278	GenBank Accession Number: BC153127	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 29949	CloneNo.: 8H10H8
Source: Mouse	UNIPROT ID: Q9UHD0	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: interleukin 19	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG18887	Calculated MW: 177 aa, 20 kDa	

## Applications

Tested Applications: IF-P	Positive Controls: IF-P : human tonsillitis tissue,
Species Specificity: human	

## 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.

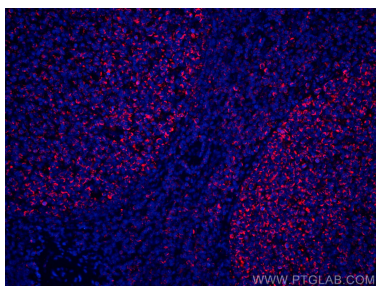
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

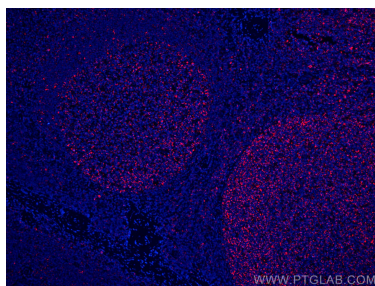
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 IL-19 antibody (CL594-60278, Clone: 8H10H8 ) at dilution of 1:200.



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