

# CoraLite® Plus 488-conjugated IL-19

## Monoclonal antibody

Catalog Number: **CL488-60278**

### Basic Information

**Catalog Number:**

CL488-60278

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG18887

**GenBank Accession Number:**

BC153127

**GeneID (NCBI):**

29949

**UNIPROT ID:**

Q9UHD0

**Full Name:**

interleukin 19

**Calculated MW:**

177 aa, 20 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

8H10H8

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

### Applications

**Tested Applications:**

IF-P

**Species Specificity:**

human

**Positive Controls:**

IF-P : human tonsillitis tissue,

### 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:**

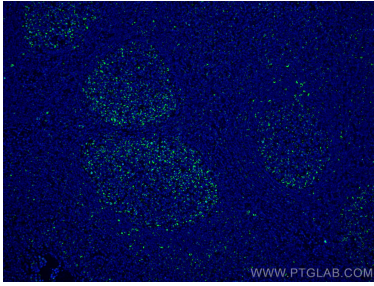
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

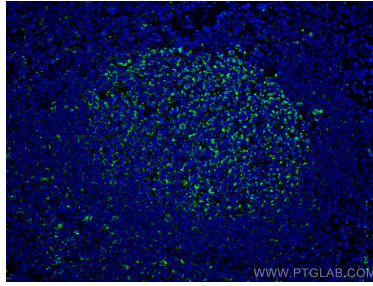
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite® Plus 488 IL-19 antibody (CL488-60278, Clone: 8H10H8 ) at dilution of 1:200.



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