

# CoraLite® Plus 488-conjugated IL-18

## Monoclonal antibody

Catalog Number: **CL488-60070****Featured Product**

### Basic Information

Catalog Number:

CL488-60070

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG1063

GenBank Accession Number:

BC007461

GeneID (NCBI):

3606

UNIPROT ID:

Q14116

Full Name:

IL-18

Calculated MW:

193 aa, 22 kDa

Observed MW:

24 kDa

Purification Method:

Protein A purification

CloneNo.:

5C6F8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

### Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, hamster

Positive Controls:

IF/ICC : HeLa cells,

### Background Information

IL18, is a proinflammatory cytokine involved in the development of Th1 cells and in immune response. It can stimulate the NK cells and certain T cells to release IFN gamma which plays an important role in activating the macrophages or other cells. IL18 has been demonstrated to have the potential to enhance Fas ligand-mediated cytotoxicity, which is increased in PE and regulates placental apoptosis. IL18 is synthesized as a 24 kDa precursor and then cleaved into a biologically active 18 kDa form.

### 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

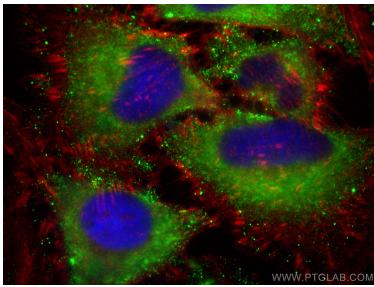
For technical support and original validation data for this product please contact:

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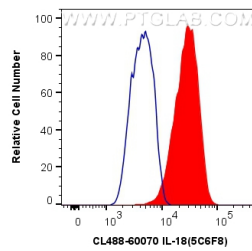
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 IL-18 antibody (CL488-60070, Clone: 5C6F8 ) at dilution of 1:200, CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human IL-18 (CL488-60070, Clone:5C6F8) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).