

For Research Use Only

# CoraLite® Plus 488-conjugated IL-6 Recombinant antibody

Catalog Number:CL488-83747-5



## Basic Information

Catalog Number:  
CL488-83747-5

Size:  
100ul

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
BC015511

GeneID (NCBI):  
3569

ENSEMBL Gene ID:  
ENSG00000136244

UNIPROT ID:  
P05231

Full Name:  
interleukin 6 (interferon, beta 2)

Calculated MW:  
212 aa, 24 kDa

Observed MW:  
24 kDa

Purification Method:  
Protein A purification

CloneNo.:  
240670F10

Recommended Dilutions:  
IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:  
493 nm / 522 nm

## Applications

Tested Applications:  
IF/ICC

Species Specificity:  
human

Positive Controls:

IF/ICC : THP-1 cells,

## Background Information

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. IL-6 protein is secreted by a variety of cell types including T cells and macrophages as phosphorylated and variably glycosylated molecule. IL-6 plays an essential role in the final differentiation of B-cells into Ig-secreting cells involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. IL-6 is also considered a myokine, a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 has been shown to interact with interleukin-6 receptor and glycoprotein 130. Additionally, IL-6 is involved in hematopoiesis, bone metabolism, and cancer progression, and has been defined an essential role in directing transition from innate to acquired immunity.

## 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

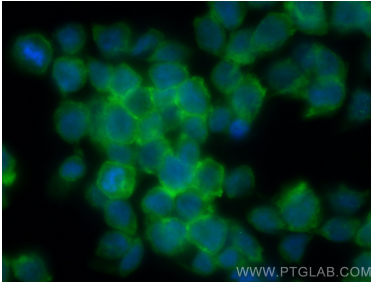
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CoraLite® Plus 488 IL-6 antibody (CL488-83747-5, Clone: 240670F10) at dilution of 1:200.