

For Research Use Only

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

Catalog Number: CL488-69001



## Basic Information

Catalog Number:

CL488-69001

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1019

GenBank Accession Number:

GeneID (NCBI):

3569

ENSEMBL Gene ID:

ENSG00000136244

Full Name:

interleukin 6 (interferon, beta 2)

Purification Method:

Protein G purification

CloneNo.:

4G3E6

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

Species Specificity:

Human

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

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