

# IL-6 Polyclonal antibody

Catalog Number: 19831-1-AP

## Basic Information

**Catalog Number:**

19831-1-AP

**Size:**

N/A

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13767

**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

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**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. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

