

IL-6

Polyclonal ANTIBODY

Catalog Number: 19831-1-AP

Basic Information

Catalog Number: 19831-1-AP	GenBank Accession Number: BC015511	Recommended Dilutions:
Size: 0 µg/150 µl	GeneID (NCBI): 3569	
Source: Rabbit	Full Name: interleukin 6 (interferon, beta 2)	
Isotype: IgG	Calculated MW: 212aa, 24 kDa	
Purification Method: Antigen affinity purification	Observed MW:	
Immunogen Catalog Number: AG13767		

Applications

Tested Applications: ELISA	Positive Controls:
Species Specificity: human	
Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol 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