

For Research Use Only

APC-conjugated IL-6 Monoclonal antibody

Catalog Number: APC-69001



Basic Information

Catalog Number: APC-69001	GenBank Accession Number: GeneID (NCBI): 3569	Purification Method: Protein G purification
Size: 100ul , Concentration: 200 µg/ml by Nanodrop;	Full Name: interleukin 6 (interferon, beta 2)	CloneNo.: 4G3E6
Source: Mouse		Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1		
Immunogen Catalog Number: HZ-1019		

Applications

Tested Applications:
FC (Intra)

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 0.1% sodium azide and 0.5% BSA.

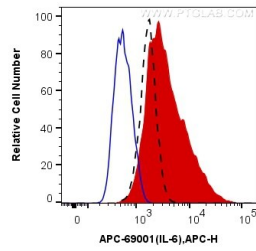
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HUVEC cells untreated (dashed lines) or treated with LPS and Brefeldin A (red) were intracellularly stained with 0.2 ug APC Anti-Human NeutraKine® IL-6 (APC-69001, Clone:4G3E6) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.