

For Research Use Only

CoraLite® Plus 488-conjugated IL-6 Recombinant antibody

Catalog Number: CL488-83747-5



Basic Information

Catalog Number: CL488-83747-5	GenBank Accession Number: BC015511	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3569	CloneNo.: 240670F10
Source: Rabbit	ENSEMBL Gene ID: ENSG00000136244	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	UNIPROT ID: P05231	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: interleukin 6 (interferon, beta 2)	
	Calculated MW: 212 aa, 24 kDa	
	Observed MW: 24 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : THP-1 cells,
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.

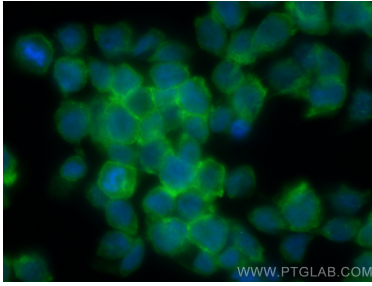
Storage

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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



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.