

For Research Use Only

Anti-Mouse IL-6 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98089-1-PBS



Basic Information

Catalog Number: 98089-1-PBS	GenBank Accession Number: NM_031168	Purification Method: Protein A purification
Size: 1mg, 2mg/ml	GeneID (NCBI): 16193	CloneNo.: 240701E8
Source: Rabbit	UNIPROT ID: P08505	
Isotype: IgG	Full Name: interleukin 6	
	Calculated MW: 24 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

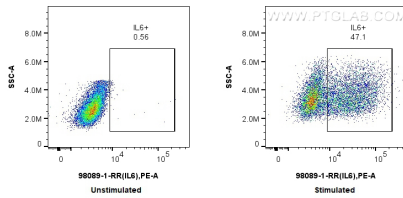
T: 4006900926

E: Proteintech-CN@ptglab.com

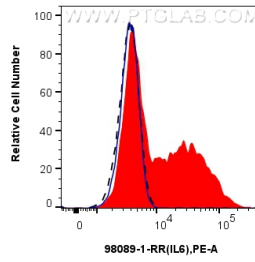
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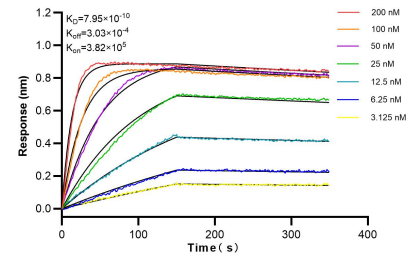
Selected Validation Data



1x10⁶ LPS treated RAW 264.7 cells were intracellularly stained with 0.25 ug Anti-Mouse IL-6 Rabbit Recombinant Antibody (98089-1-RR, Clone:240701E8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or 1x10⁶ untreated RAW 264.7 cells were intracellularly stained with 0.25 ug Anti-Mouse IL-6 Rabbit Recombinant Antibody (98089-1-RR, Clone:240701E8) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and



1x10⁶ LPS treated RAW 264.7 cells were intracellularly stained with 0.25 ug Anti-Mouse IL-6 Rabbit Recombinant Antibody (98089-1-RR, Clone:240701E8) (red), or Isotype Control (blue), or 1x10⁶ LPS treated RAW 264.7 cells were intracellularly stained with 0.25 ug Anti-Mouse IL-6 Rabbit Recombinant Antibody (98089-1-RR, Clone:240701E8) (green) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized



Biolayer interferometry (BLI) kinetic assays of 98089-1-RR against Mouse IL-6 were performed. The affinity constant is 0.795 nM.