

For Research Use Only

# IL-11 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68135-1-PBS



## Basic Information

Catalog Number: 68135-1-PBS	GenBank Accession Number: BC012506	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 3589	CloneNo.: 1F3A12
Source: Mouse	UNIPROT ID: P20809	Affinity: $K_D = 1.80 \times 10^{-9}$
Isotype: IgG2b	Full Name: interleukin 11	$K_{off} = 2.20 \times 10^{-6}$
Immunogen Catalog Number: AG11199	Calculated MW: 199 aa, 21 kDa	$K_{on} = 1.22 \times 10^3$
	Observed MW: 21 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Background Information

Interleukin-11 (IL-11) is a member of the glycoprotein-130 (GP-130) cytokines that utilizes the GP-130 signaling pathway shared by other cytokines of the same family. The most well-known role of IL-11 is in hematopoiesis because it promotes megakaryocytopoiesis, erythropoiesis, and thrombopoiesis. In recognition of these properties, human IL-11 recombinant protein (rhIL-11) is used clinically for treating chemotherapy-induced thrombocytopenia. IL-11 has extensive immunomodulatory effects, both anti- and proinflammatory.

## 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, pH7.3

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

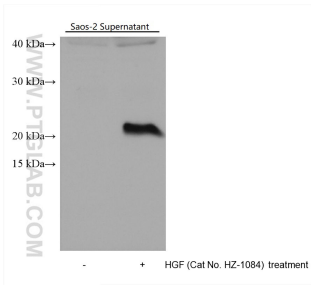
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

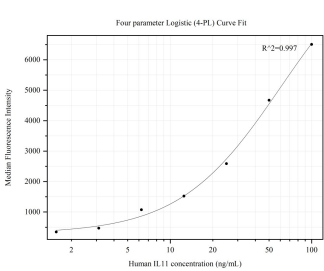
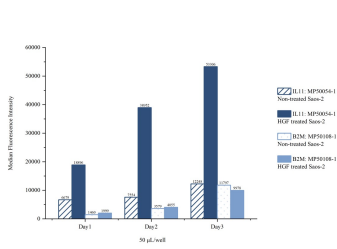
W: [ptgcn.com](http://ptgcn.com)

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

Selected Validation Data

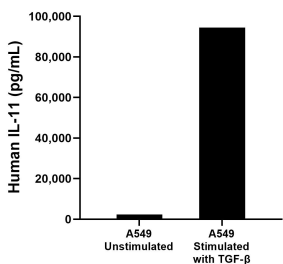
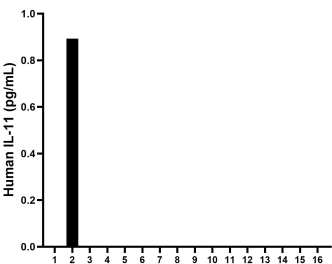
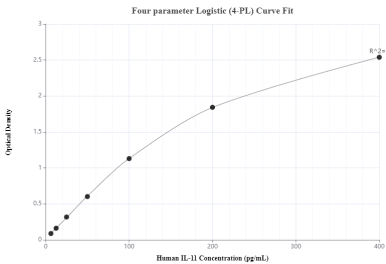


Saos-2 cell supernatant (cells stimulated with 500ng/mL HGF for 4 days) were subjected to SDS PAGE followed by western blot with 68135-1-Ig (IL-11 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68135-1-PBS in a different storage buffer formulation.



Cytometric bead array of Saos-2 cells supernatant using MP50054-1, IL11 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68135-2-PBS. Detection antibody: 68135-1-PBS. Saos-2 cells were inoculated into 6 well plate at 40000 cells/well followed by culture for 3 days in normal culture media or HGF (Cat.NO. HZ-1084, 500 ng/mL) containing media. 50 µ L of the supernatant from each day was analyzed using MP50054-1 (IL11 Monoclonal Matched

Cytometric bead array standard curve of MP50054-1, IL11 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68135-2-PBS. Detection antibody: 68135-1-PBS. Standard:Ag11199. Range: 1.563-100 ng/mL



Sandwich ELISA standard curve of MP50054-1, IL11 Monoclonal Matched Antibody Pair - PBS only. 68135-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag11199. 68135-1-PBS was biotinylated as the detection antibody. Range: 6.25-400 pg/mL

Serum of sixteen individual healthy human donors was measured. All samples measured less than the lowest human IL-11 standard, 6.25 pg/mL

A549 cells were cultured unstimulated or stimulated with 2 ng/mL human TGF-β for 2 days. The mean IL-11 concentration was determined to be 2,309.9 pg/mL in unstimulated A549 supernatant, 94,433.7 pg/mL in stimulated A549 supernatant.