

For Research Use Only

IL-11 Monoclonal antibody

Catalog Number: 68135-1-Ig



Basic Information

Catalog Number: 68135-1-Ig	GenBank Accession Number: BC012506	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3589	CloneNo.: 1F3A12
Source: Mouse	UNIPROT ID: P20809	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2b	Full Name: interleukin 11	Affinity: $K_D = 1.80 \times 10^{-9}M$
Immunogen Catalog Number: AG11199	Calculated MW: 199 aa, 21 kDa	$K_{Off} = 2.20 \times 10^{-6}M$
	Observed MW: 21 kDa	$K_{On} = 1.22 \times 10^{-3}M$

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Saos-2 supernatant cells,
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

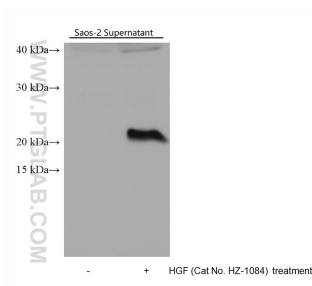
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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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.