

IL-27

Monoclonal ANTIBODY

Catalog Number: 66164-1-Ig

Basic Information

Catalog Number: 66164-1-Ig	GenBank Accession Number: BC062422	Recommended Dilutions: WB 1:2000-1:20000 IHC 1:20-1:200
Size: 196 µg/150 µl	GeneID (NCBI): 246778	
Source: Mouse	Full Name: interleukin 27	
Isotype: IgG2b	Calculated MW: 243aa, 27 kDa	
Purification Method: Protein A purification	Observed MW: 31 kDa	
Immunogen Catalog Number: AG21436		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Recombinant protein; Ag21436 IHC : human placenta tissue;
Species Specificity: human	
Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

IL-27, a member of IL-12/IL-23 heterodimeric family of cytokines, has pleiotropic properties that can enhance or limit immune responses. IL-27 is a heterodimeric cytokine composed of two subunits: IL-27a and IL-27b. IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4⁺T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells. IL-27 is a potentially promising cytokine for therapeutic approaches on various human diseases.

Notable Publications

Author	Pubmed ID	Journal	Application
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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

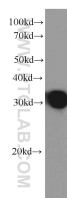
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

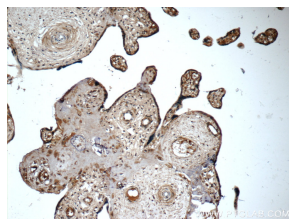
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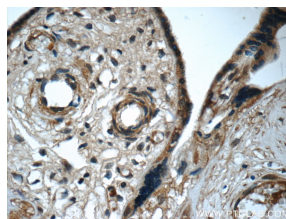
Selected Validation Data



IL27 fusion protein were subjected to SDS PAGE followed by western blot with 66164-1-Ig(IL-27 antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human placenta tissue slide using 66164-1-Ig(IL-27 antibody at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human placenta tissue slide using 66164-1-Ig(IL-27 antibody at dilution of 1:50 (under 40x lens)