

For Research Use Only

# IL-23 p19 Monoclonal antibody, PBS Only

Catalog Number: 66196-1-PBS



## Basic Information

<b>Catalog Number:</b> 66196-1-PBS	<b>GenBank Accession Number:</b> BC066268	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51561	<b>CloneNo.:</b> 1D5D3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NPF7	
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 23, alpha subunit p19	
<b>Immunogen Catalog Number:</b> AG19406	<b>Calculated MW:</b> 189 aa, 21 kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Interleukin 23 (IL-23) is a member of the IL12 cytokine family and composed of two subunits, IL12p40 and IL23p19. It is produced by antigen presenting cells and has been shown to promote the production and survival of a distinct lineage of T-cells called TH17 cells. A functional receptor for IL-23 (the IL-23 receptor) has been identified and is composed of IL-12R $\beta$ 1 and IL-23R. IL-23 is expressed chiefly by the macrophages and DCs. The IL-23R is found on memory T cells, NKT cells, macrophages, DCs, and naive T cells upon activation by TGF- $\beta$  and IL-6. The main biological effects of IL-23 identified initially consist of stimulation of antigen presentation by DCs, T cell differentiation to Th17 cells, and production of interferon- $\gamma$  (IFN- $\gamma$ ). IL-23 acts also as an end-stage effector cytokine through direct action on macrophages.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

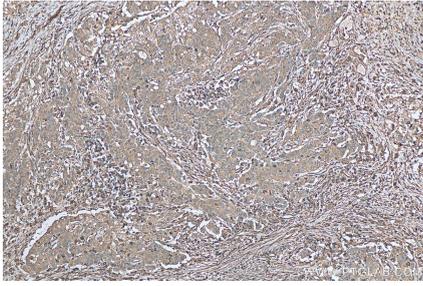
For technical support and original validation data for this product please contact:

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

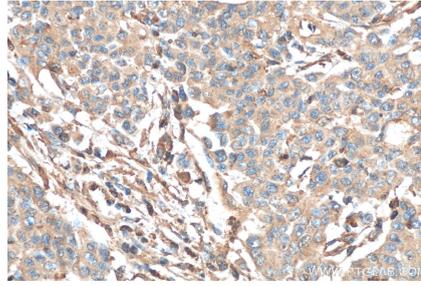
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 66196-1-Ig (IL-23A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66196-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 66196-1-Ig (IL-23A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66196-1-PBS in a different storage buffer formulation.