

For Research Use Only

IL-23 p19 Monoclonal antibody

Catalog Number: 66196-1-Ig **6 Publications**



Basic Information

Catalog Number: 66196-1-Ig	GenBank Accession Number: BC066268	Purification Method: Protein G purification
Size: 1500 ug/ml	GeneID (NCBI): 51561	CloneNo.: 1D5D3
Source: Mouse	UNIPROT ID: Q9NPF7	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1	Full Name: interleukin 23, alpha subunit p19	
Immunogen Catalog Number: AG19406	Calculated MW: 189 aa, 21 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, ELISA	IHC : human stomach cancer tissue, human pancreas tissue
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 β 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- β 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- γ (IFN- γ). IL-23 acts also as an end-stage effector cytokine through direct action on macrophages.

Notable Publications

Author	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
YuanPing Hai	36128805	Thyroid	IHC
Rui Sun	31097538	Gut	WB

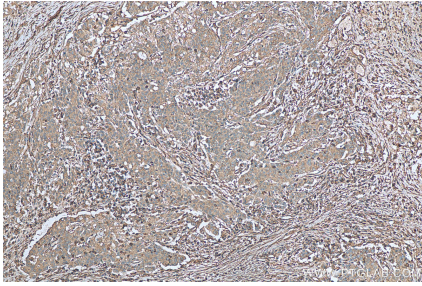
Storage

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

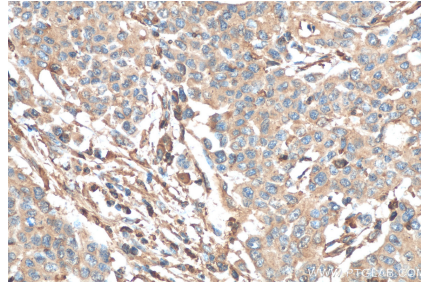
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Selected Validation Data



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).



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).