

IL-10 Monoclonal antibody

Catalog Number: 60269-1-Ig

Featured Product

109 Publications

Basic Information

Catalog Number:

60269-1-Ig

Concentration:

1500 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG14870

GenBank Accession Number:

BC104252

GeneID (NCBI):

3586

UNIPROT ID:

P22301

Full Name:

interleukin 10

Calculated MW:

21 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

8E4B6

Recommended Dilutions:

WB 1:2000-1:8000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, ELISA, Cell treatment

Species Specificity:

human

Cited Species:

human, rat, rabbit, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : ag14870,

IHC : human pancreas cancer tissue,

IF/ICC : MOLT-4 cells,

Background Information

Interleukin (IL)-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|-------------------------|-------------|
| Xinmei Huang | 34478541 | J Clin Endocrinol Metab | IHC |
| Yan Yang | 34582523 | Biomater Sci | IHC |
| Teresa W-M Fan | 36150727 | J Immunol | |

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

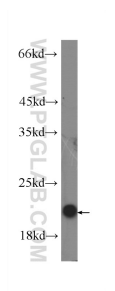
For technical support and original validation data for this product please contact:

T: 4006900926

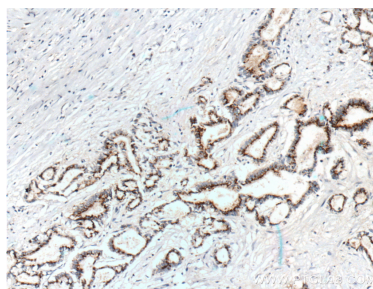
E: Proteintech-CN@ptglab.comW: ptgcn.com

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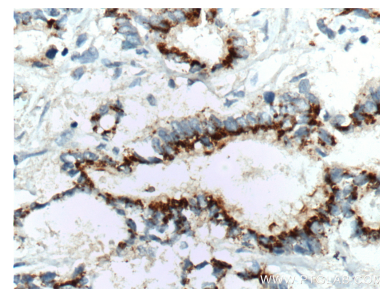
Selected Validation Data



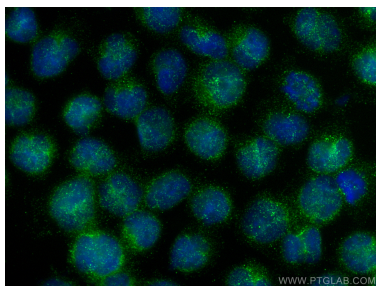
Recombinant protein were subjected to SDS PAGE followed by western blot with 60269-1-Ig (IL-10 antibody at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 60269-1-Ig (IL-10 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 pancreas cancer tissue slide using 60269-1-Ig (IL-10 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MOLT-4 cells using IL-10 antibody (60269-1-Ig, Clone: 8E4B6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).