

For Research Use Only

IL-18 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60070-1-PBS

Featured Product



Basic Information

Catalog Number:

60070-1-PBS

Concentration:

3000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG1063

GenBank Accession Number:

BC007461

GeneID (NCBI):

3606

UNIPROT ID:

Q14116

Full Name:

IL-18

Calculated MW:

193 aa, 22 kDa

Observed MW:

24 kDa

Purification Method:

Protein A purification

CloneNo.:

5C6F8

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:

human

Background Information

IL-18, is a proinflammatory cytokine involved in the development of Th1 cells and in immune response. It can stimulate the NK cells and certain T cells to release IFN gamma which plays an important role in activating the macrophages or other cells. IL18 has been demonstrated to have the potential to enhance Fas ligand-mediated cytotoxicity, which is increased in PE and regulates placental apoptosis. IL18 is synthesized as a 24 kDa precursor and then cleaved into a biologically active 18 kDa form.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

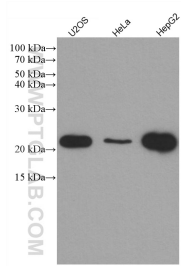
T: 4006900926

E: Proteintech-CN@ptglab.com

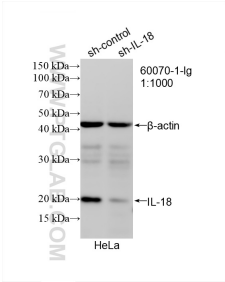
W: ptgcn.com

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

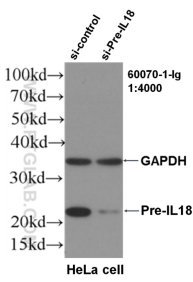
Selected Validation Data



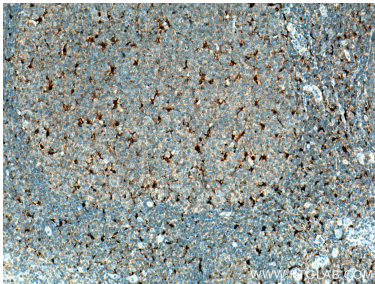
Various lysates were subjected to SDS PAGE followed by western blot with 60070-1-Ig (IL18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



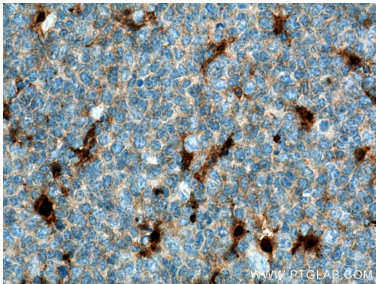
WB result of IL-18 antibody (60070-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IL-18 transfected HeLa cells. This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



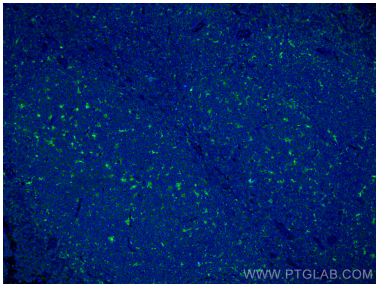
WB result of Pre-IL18 antibody (60070-1-Ig, 1:4000) with si-Control and si-Pre-IL18 transfected HeLa cells.. This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



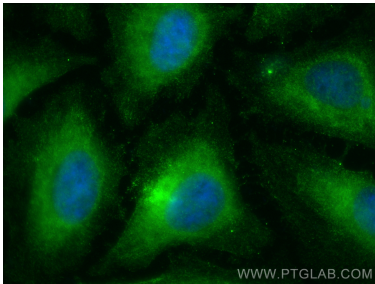
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60070-1-Ig (IL18 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



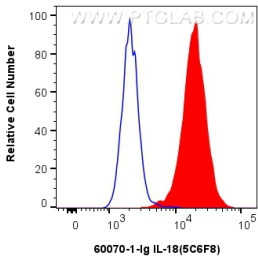
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60070-1-Ig (IL18 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



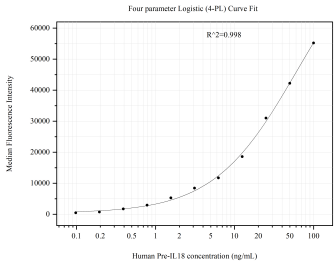
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-18 antibody (60070-1-Ig, Clone: 5C6F8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using IL-18 antibody (60070-1-Ig, Clone: 5C6F8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug IL-18 Monoclonal antibody (60070-1-Ig, Clone:5C6F8) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 60070-1-PBS in a different storage buffer



Cytometric bead array standard curve of MP51140-3, IL-18 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60070-1-PBS. Detection antibody: 60070-2-PBS. Standard:Ag1063. Range: 0.098-100 ng/mL