

For Research Use Only

IL-18 Recombinant antibody, PBS Only

Catalog Number: 82907-1-PBS

Featured Product



Basic Information

Catalog Number:

82907-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

1H14

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), 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. IL-18 has been demonstrated to have the potential to enhance Fas ligand-mediated cytotoxicity, which is increased in PE and regulates placental apoptosis. IL-18 is synthesized as a 22 kDa precursor and then cleaved into a biologically active 18 kDa form.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

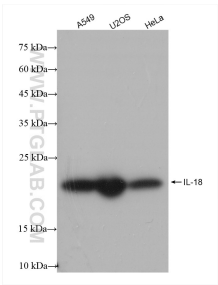
For technical support and original validation data for this product please contact:

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

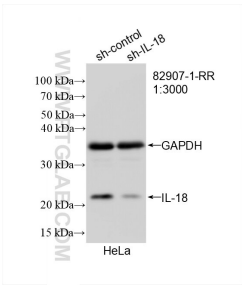
E: proteintech@ptglab.com
W: ptglab.com

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

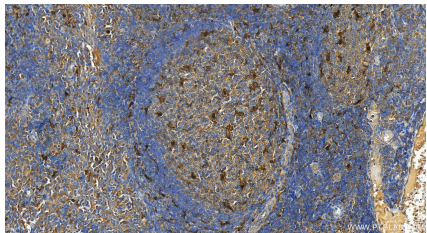
Selected Validation Data



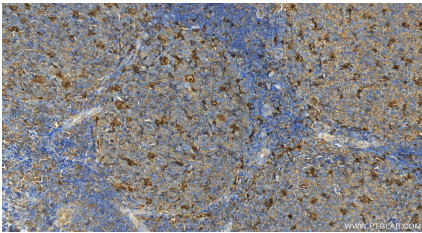
Various lysates were subjected to SDS PAGE followed by western blot with 82907-1-RR (IL-18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82907-1-PBS in a different storage buffer formulation.



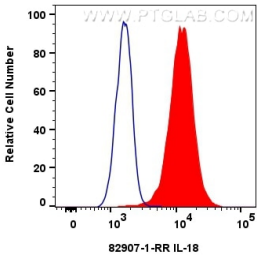
WB result of IL-18 antibody (82907-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IL-18 transfected HeLa cells. This data was developed using the same antibody clone with 82907-1-PBS in a different storage buffer formulation.



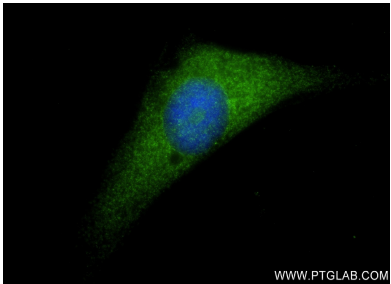
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82907-1-RR (IL-18 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82907-1-PBS in a different storage buffer formulation.



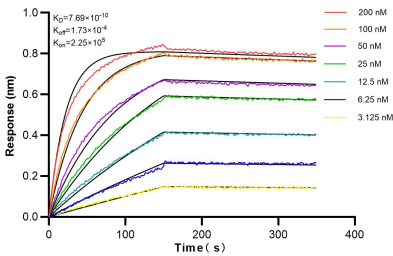
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82907-1-RR (IL-18 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82907-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug IL-18 Recombinant antibody (82907-1-RR, Clone:1H14) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (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 82907-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using IL-18 antibody (82907-1-RR, Clone: 1H14) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82907-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82907-1-RR against Human IL-18 were performed. The affinity constant is 0.769 nM.