

For Research Use Only

IL-18 Recombinant monoclonal antibody

Catalog Number: 87348-2-RR

5 Publications



Basic Information

Catalog Number:

87348-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4455

GenBank Accession Number:

NM_008360.1

GeneID (NCBI):

16173

UNIPROT ID:

P70380

Full Name:

interleukin 18

Calculated MW:

22 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

252154A6

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

mouse, rat

Cited Species:

mouse, rat

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 : mouse spleen tissue, rat spleen tissue

IP : mouse spleen tissue,

IHC : mouse spleen tissue,

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. This antibody recognizes both the pre-IL18 and mature IL18 theoretically.

Notable Publications

Author	Pubmed ID	Journal	Application
Qinghe Kong	42173415	J Ethnopharmacol	WB
Sijia Li	42419672	Eur J Pharmacol	WB,IF
Lancheng Wei	41734821	J Nutr Biochem	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

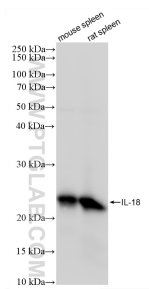
For technical support and original validation data for this product please contact:

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

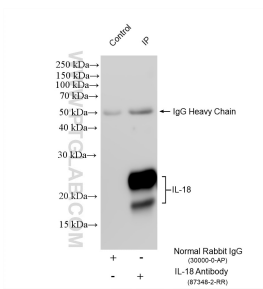
E: proteintech@ptglab.com
W: ptglab.com

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

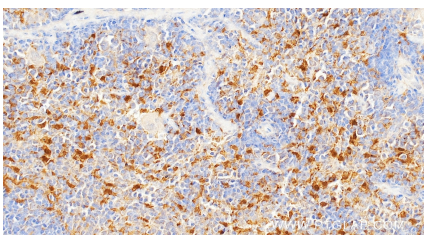
Selected Validation Data



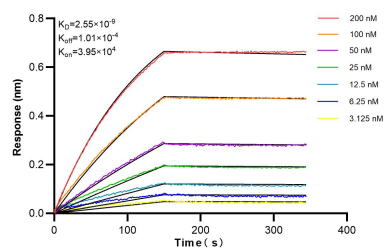
Various lysates were subjected to SDS PAGE followed by western blot with 87348-2-RR (IL-18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-IL-18 (IP:87348-2-RR, 4ug; Detection:87348-2-RR 1:1500) with mouse spleen tissue lysate 2000 ug.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 87348-2-RR (IL-18 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 87348-2-RR against Mouse IL-18 were performed. The affinity constant is 2.55 nM.