

For Research Use Only

IL-18 Recombinant monoclonal antibody

Catalog Number: 87348-2-RR

5 Publications



Basic Information

Catalog Number:

87348-2-RR

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 ug 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

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

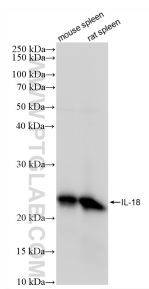
T: 4006900926

E: Proteintech-CN@ptglab.com

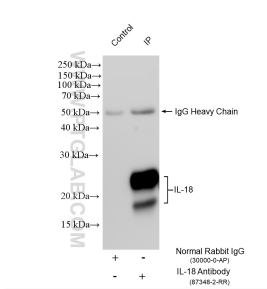
W: ptgcn.com

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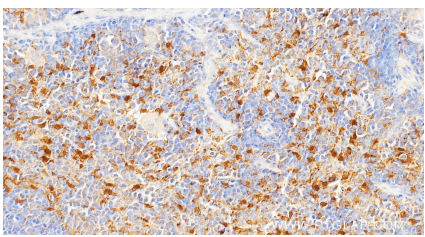
Selected Validation Data



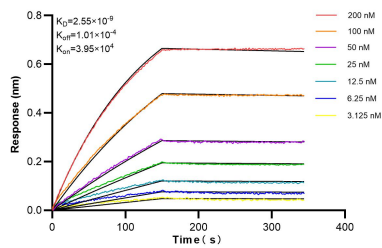
Various lysates were subjected to SDS PAGE followed by western blot with 87348-2-RR (IL-18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.