

For Research Use Only

Mouse IL-18 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87348-2-PBS



Basic Information

Catalog Number: 87348-2-PBS	GenBank Accession Number: NM_008360.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16173	CloneNo.: 252154A6
Source: Rabbit	UNIPROT ID: P70380	
Isotype: IgG	Full Name: interleukin 18	
Immunogen Catalog Number: EG4455	Calculated MW: 22 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
mouse, rat

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.

Storage

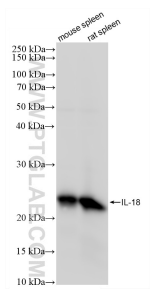
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

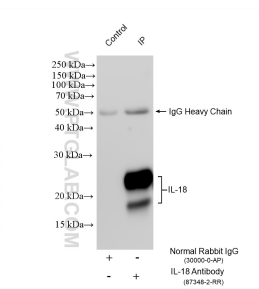
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

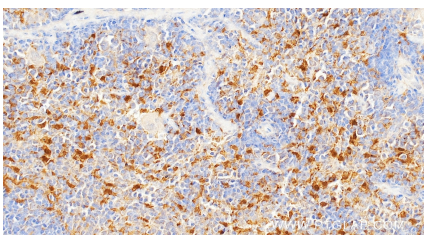
Selected Validation Data



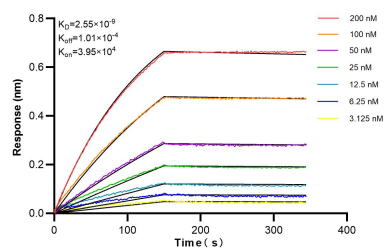
Various lysates were subjected to SDS PAGE followed by western blot with 87348-2-RR (IL-18 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87348-2-PBS in a different storage buffer formulation.



IP result of anti-IL-18 (IP:87348-2-RR, 4ug; Detection:87348-2-RR 1:1500) with mouse spleen tissue lysate 2000 ug. This data was developed using the same antibody clone with 87348-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87348-2-PBS in a different storage buffer formulation.



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