

For Research Use Only

IL-33 Recombinant monoclonal antibody

Catalog Number: 83765-7-RR



Basic Information

Catalog Number: 83765-7-RR	GenBank Accession Number: BC047085	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 90865	CloneNo.: 252156C6
Source: Rabbit	UNIPROT ID: O95760	Recommended Dilutions: WB: 1:1000-1:4400 IHC: 1:500-1:2000
Isotype: IgG	Full Name: interleukin 33	
Immunogen Catalog Number: EG7061	Calculated MW: 30 kDa Observed MW: 31 kDa, 18 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, 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: HUVEC cells, hTERT-RPE1 cells, HeLa cells, human artery, mouse liver tissue, untreated RAW 264.7 cells, PMA and LPS-treated RAW 264.7 cells, mouse spleen tissue, rat spleen tissue

IHC: human tonsillitis tissue,

Background Information

IL-33 is an IL-1 family cytokine and nuclear alarmin, is constitutively expressed in epithelial barrier tissues and human blood vessels. IL-33 is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. It also acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury. IL-33 is synthesized as a 30 kDa full-length precursor that can be processed into an ~18-20 kDa mature form by inflammatory proteases, with the mature form exhibiting substantially higher biological activity as an extracellular alarmin cytokine.

Storage

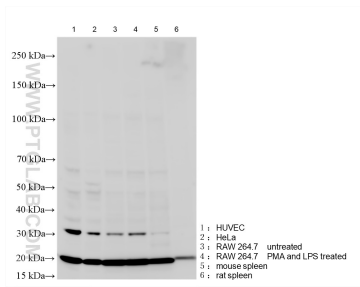
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

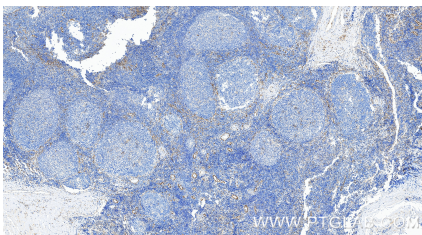
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

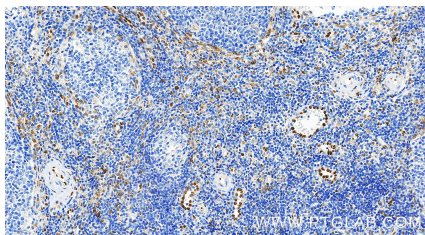
Selected Validation Data



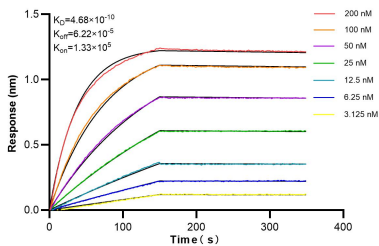
Various lysates were subjected to SDS PAGE followed by western blot with 83765-7-RR (IL-33 antibody) at dilution of 1:2200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83765-7-RR (IL-33 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 83765-7-RR against Human IL-33 were performed. The affinity constant is 0.468 nM.