

For Research Use Only

IL-33 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83765-7-PBS



Basic Information

Catalog Number:

83765-7-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7061

GenBank Accession Number:

BC047085

GeneID (NCBI):

90865

UNIPROT ID:

O95760

Full Name:

interleukin 33

Calculated MW:

30 kDa

Observed MW:

31 kDa, 18 kDa

Purification Method:

Protein A purification

CloneNo.:

252156C6

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

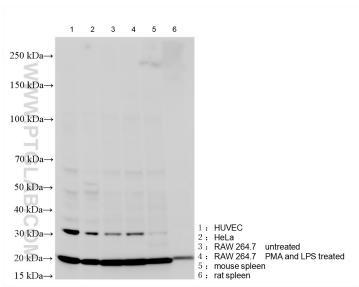
T: 4006900926

E: Proteintech-CN@ptglab.com

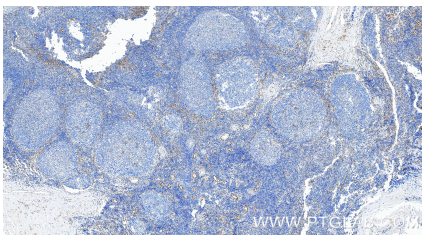
W: ptgcn.com

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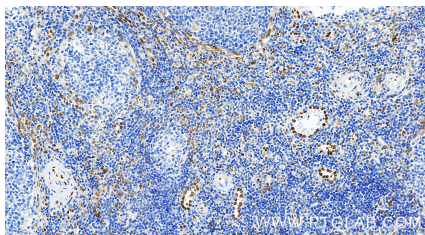
Selected Validation Data



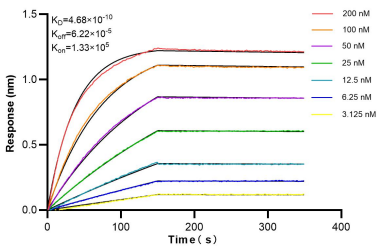
Various lysates were subjected to SDS PAGE followed by western blot with 83765-7-RR (IL-33 antibody) at dilution of 1:2200 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83765-7-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83765-7-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83765-7-PBS in a different storage buffer formulation.



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