

Product datasheet

Anti-IL-18 antibody ab191860

[40 References](#) [3 Images](#)

Overview

Product name	Anti-IL-18 antibody
Description	Rabbit polyclonal to IL-18
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant full length protein corresponding to Rat IL-18 aa 1 to the C-terminus. Database link: P97636 Run BLAST with Run BLAST with
Positive control	WB: Mouse spleen, thymus lung and ANA1 whole cell lysates Flow Cyt: rat RH35 cells IHC-P: Rat spleen tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized: Add 0.2ml of distilled water to yield a dilution of 500 ug/mL
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.025% Sodium azide Constituents: 0.1% Dibasic monohydrogen potassium phosphate, 0.45% Sodium chloride, 2.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

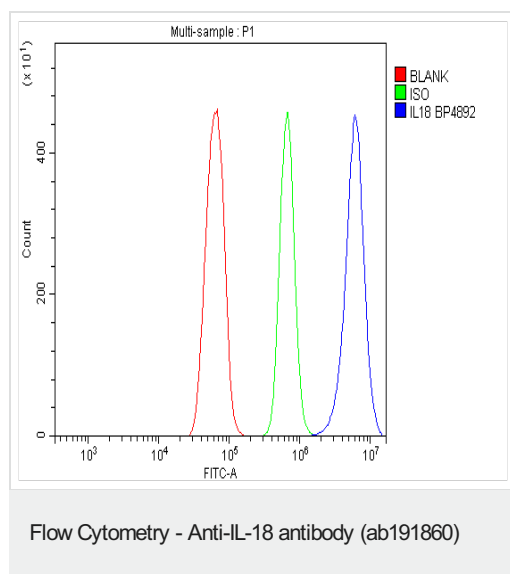
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab191860 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.25 - 0.5 µg/ml. Predicted molecular weight: 22 kDa.
Flow Cyt		Use 1-3µg for 10 ⁶ cells.
IHC-P		Use a concentration of 2 - 5 µg/ml.

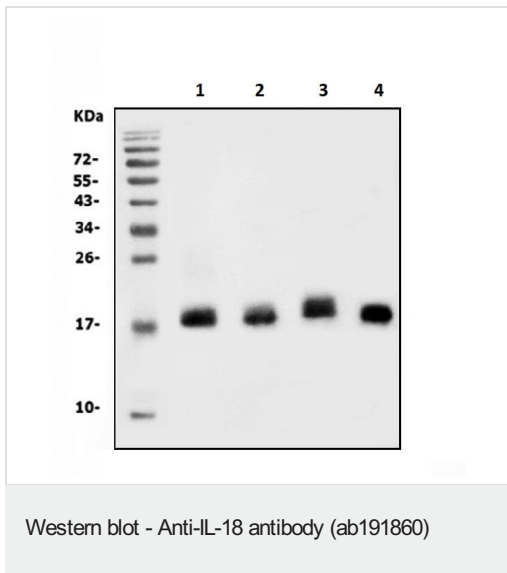
Target

Function	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.
Sequence similarities	Belongs to the IL-1 family.
Cellular localization	Secreted.

Images



Flow Cytometry analysis of RH35 cells stained with ab191860 in blue with a concentration of 1µg/1x10⁶ cells; an isotype control antibody (rabbit IgG) in green with a concentration of 1µg/1x10⁶ cells, and an unlabelled sample in red. The secondary antibody used was DyLight®488 conjugated goat anti-rabbit IgG in the concentration 5-10µg/ 1x10⁶ cells.



All lanes : Anti-IL-18 antibody (ab191860) at 0.5 µg/ml

Lane 1 : mouse spleen tissue lysates

Lane 2 : mouse thymus tissue lysates

Lane 3 : mouse lung tissue lysates

Lane 4 : mouse ANA-1 whole cell lysates

Lysates/proteins at 30 µg/ml per lane.

Secondary

All lanes : goat anti-rabbit IgG-HRP at 1/5000 dilution

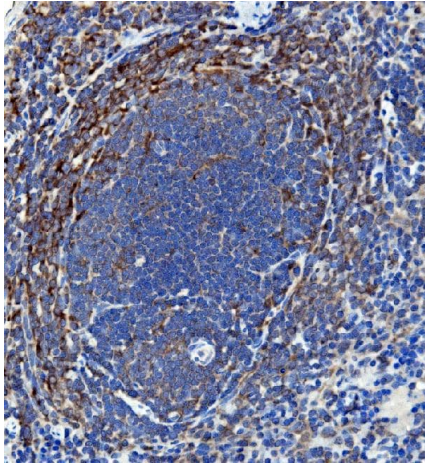
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 22 kDa

SDS PAGE performed on 5-20% gel for 2-3 hours.

Proteins were transferred to a nitrocellulose membrane at 150mA for 50-90 minutes and blocked with 5% milk/TBS for 1.5 hours at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-18 antibody (ab191860)

Immunohistochemistry analysis of paraffin-embedded section of rat spleen tissue labeling IL-18 antibody with ab191860 at 2µg/mL (incubation: overnight at 4°C). Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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