abcam

Product datasheet

Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free ab243295

敲除验证 重组 RabMAb

1 Abreviews 6 图像

概述

产品名称	Anti-IL-18抗体[EPR19954-188] - BSA and Azide free
描述	兔单克隆抗体[EPR19954-188] to IL-18 - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB, IHC-P **不适用于:** ICC/IF
种属反应性	**与反应:** Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human tonsil, liver and kidney tissues. Flow Cyt (intra): PC-3 cells.
常规说明	ab243295 is the carrier-free version of **ab243091**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19954-188
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab243295于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

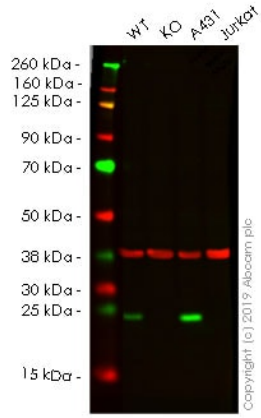
应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 22, 14 kDa (predicted molecular weight: 22 kDa).
IHC-P	★★★☆☆ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明 Is unsuitable for ICC/IF.

靶标

功能	Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.
序列相似性	Belongs to the IL-1 family.
细胞定位	Secreted.

图片



Western blot - Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

All lanes : Anti-IL-18 antibody [EPR19954-188] (**ab243091**) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : IL18 knockout HeLa cell lysate
Lane 3 : A431 cell lysate
Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

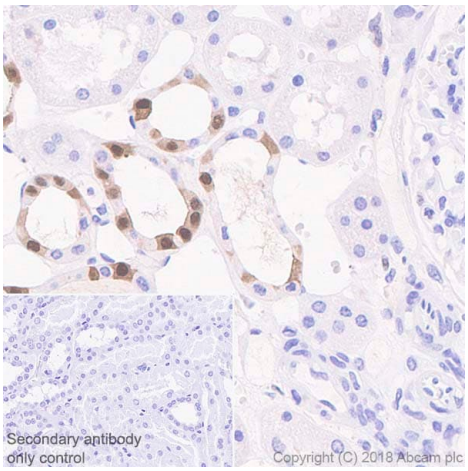
Performed under reducing conditions.

Predicted band size: 22 kDa
Observed band size: 22 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab243091**).

Lanes 1-4: Merged signal (red and green). Green - **ab243091** observed at 22 kDa. Red - loading control **ab8245** observed at 37 kDa.

ab243091 Anti-IL-18 antibody [EPR19954-188] was shown to specifically react with IL-18 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265274** (knockout cell lysate **ab256952**) was used. Wild-type and IL-18 knockout samples were subjected to SDS-PAGE. **ab243091** and Anti-alpha Tubulin antibody [EP1332Y] - Microtubule Marker (**ab52866**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



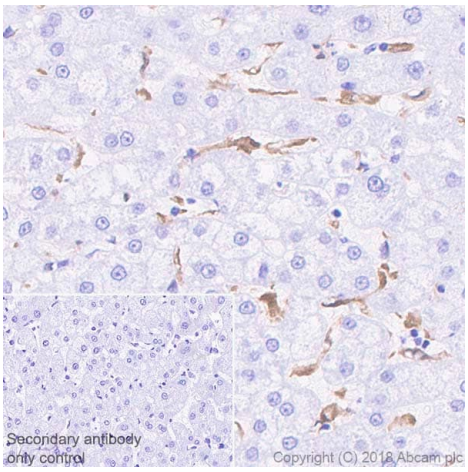
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling IL-18 with **ab243091** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic and nuclear staining on distal convoluted tubules of human kidney (PMID: 17687255). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243091**).



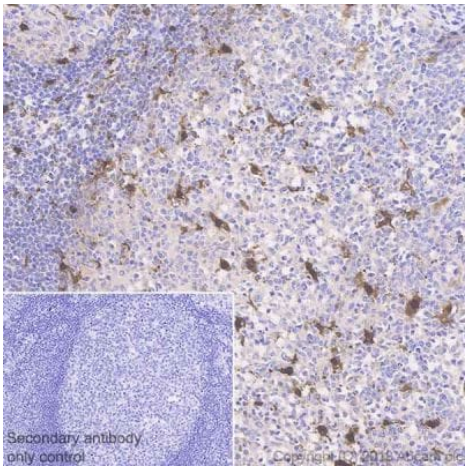
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling IL-18 with **ab243091** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on Kupffer cells in human liver (PMID: 19084941). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243091**).



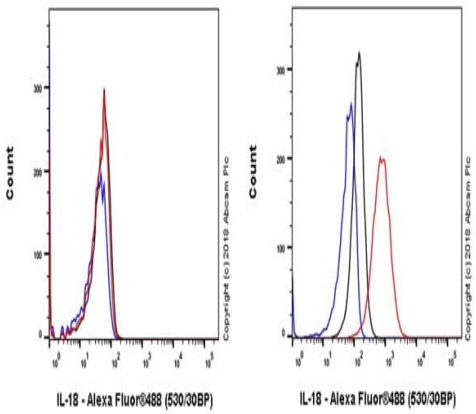
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling IL-18 with **ab243091** at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Positive staining on subsets of macrophages in tonsil (PMID: 28842466). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243091**).

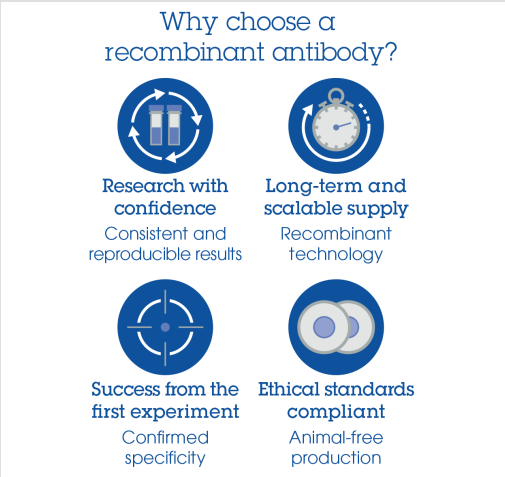


Flow Cytometry (Intracellular) - Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

Intracellular flow cytometric analysis of4% paraformaldehyde-fixed, 90% methanol-permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) (left panel) and PC-3 (human prostate adenocarcinoma cell line) (right panel) cells labeling IL-18 with **ab243091** at 1/50 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/2000 dilution was used as the secondary antibody.

Negative control: Jurkat (PMID 15086390).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab243091**).



Anti-IL-18 antibody [EPR19954-188] - BSA and Azide free (ab243295)

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