

Anti-IP10 antibody [EPR20764] ab214668

敲除验证
重组
RabMAb

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概述

产品名称	Anti-IP10抗体[EPR20764]
描述	兔单克隆抗体[EPR20764] to IP10
宿主	Rabbit
经测试应用	适用于: Indirect ELISA, WB
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Wild-type A549 IFN- γ (ab259377) (100 ng/ml, 32 h) and TNF- α (ab259410) (10 ng/ml, 32h), and Brefeldin A (ab120299)-treated (5ug/ml for the last 6h) cell lysate; THP-1 IFN- γ (ab259377) (200ng/ml, 24h) and LPS (50ng/ml, 24h)-treated for 24 hours, and Brefeldin A (ab120299)-treated (5ug/ml for the last 6h)
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR20764
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab214668于以下的经测试应用

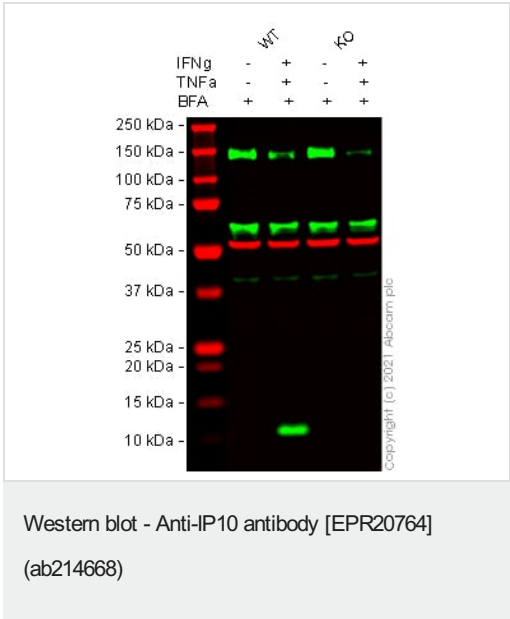
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Indirect ELISA		Use at an assay dependent concentration.
WB		1/1000. Detects a band of approximately 12 kDa (predicted molecular weight: 10 kDa).

靶标

功能	Chemotactic for monocytes and T-lymphocytes. Binds to CXCR3.
序列相似性	Belongs to the intercrine alpha (chemokine CxC) family.
翻译后修饰	CXCL10(1-73) is produced by proteolytic cleavage after secretion from keratinocytes.
细胞定位	Secreted.

图片



All lanes : Anti-IP10 antibody [EPR20764] (ab214668) at 1/1000 dilution

- Lane 1 :** Wild-type THP-1 vehicle control IFNγ (0 ng/ml, 32 h), TNF-α (0 ng/ml, 32 h), Brefeldin A (5 ug/ml, 6 h) cell lysate
- Lane 2 :** Wild-type THP-1 treated IFNγ (100 ng/ml, 32 h), TNF-α (10 ng/ml, 32 h), Brefeldin A (5 ug/ml, 6 h) cell lysate
- Lane 3 :** CXCL10 knockout THP-1 vehicle control IFNγ (0 ng/ml, 32 h), TNF-α (0 ng/ml, 32 h), Brefeldin A (5 ug/ml, 6 h) cell lysate
- Lane 4 :** CXCL10 knockout THP-1 treated IFN-γ (100 ng/ml, 32 h), TNF-α (10 ng/ml, 32 h), Brefeldin A (5 ug/ml, 6 h) cell lysate

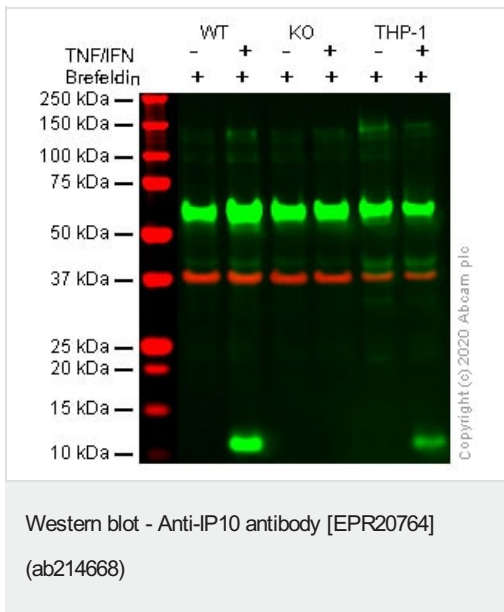
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 10 kDa

Observed band size: 11 kDa

False colour image of Western blot: Anti-IP10 antibody [EPR20764] staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, [ab214668](#) was shown to bind specifically to IP10. A band was observed at 11 kDa in treated wild-type THP-1 cell lysates with no signal observed at this size in treated CXCL10 knockout cell line [ab277860](#) (knockout cell lysate [ab282997](#)). To generate this image, wild-type and CXCL10 knockout THP-1 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



All lanes : Anti-IP10 antibody [EPR20764] ([ab214668](#)) at 1/1000 dilution

Lane 1 : Wild-type A549 Brefeldin A ([ab120299](#))-treated (5ug/ml, 6h) cell lysate

Lane 2 : Wild-type A549 IFN-γ ([ab259377](#)) (100 ng/ml, 32 h) and TNF-α ([ab259410](#)) (10 ng/ml, 32h), and Brefeldin A ([ab120299](#))-treated (5ug/ml for the last 6h) cell lysate

Lane 3 : IP10 knockout A549 Brefeldin A ([ab120299](#))-treated (5ug/ml, 6h) cell lysate

Lane 4 : IP10 knockout A549 IFN-γ ([ab259377](#)) (100ng/ml, 32h) and TNF-α ([ab259410](#)) (10ng/ml, 32h), and Brefeldin A ([ab120299](#))-treated (5ug/ml for the last 6h) cell lysate

Lane 5 : THP-1 Brefeldin A ([ab120299](#))-treated (5ug/ml, 6h) cell lysate

Lane 6 : THP-1 IFN-γ ([ab259377](#)) (200ng/ml, 24h) and LPS (50ng/ml, 24h)-treated for 24 hours, and Brefeldin A ([ab120299](#))-treated (5ug/ml for the last 6h) cell lysate

Lysates/proteins at 30 µg per lane.

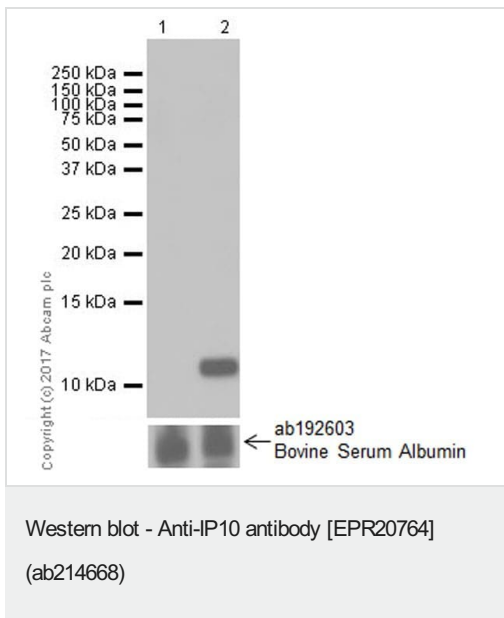
Performed under reducing conditions.

Predicted band size: 10 kDa

Observed band size: 11 kDa

Lanes 1 - 6: Merged signal (red and green). Green - ab214668 observed at 11 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37kDa.

ab214668 was shown to react with IP10 in wild-type A549 cells in western blot with loss of signal observed in IP10 knockout cell line **ab266971** (knockout cell lysate **ab256888**). Wild-type and IP10 knockout A549 cell lysates were subjected to SDS-PAGE. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with ab214668 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed (**ab216772**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-IP10 antibody [EPR20764] (ab214668) at 1/1000 dilution

Lane 1 : Untreated THP-1 (human monocytic leukemia cell line) culture supernatant

Lane 2 : THP-1 treated with 200 ng/ml interferon-gamma (IFN-gamma, **ab9659**) and 50 ng/ml lipopolysaccharides (LPS) for 24 hours, culture supernatant

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 10 kDa

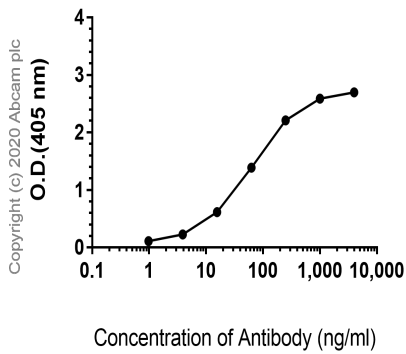
Observed band size: 12 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

IP10 protein secretion can be induced by IFN-gamma treatment (PMID: 11907072).

**Indirect ELISA antibody dose-response curve
antigen at 1000 ng/ml**



Indirect ELISA - Anti-IP10 antibody [EPR20764]
(ab214668)

ELISA analysis of CXCL10 recombinant protein at 1000 ng/mL with ab214668. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.

Why choose a
recombinant antibody?



Anti-IP10 antibody [EPR20764] (ab214668)

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