

Anti-MCP3 antibody [EPR22649-155] - BSA and Azide free ab256821

KO 評価済 リコンビナント RabMAb

画像数 3

製品の概要

製品名	Anti-MCP3 antibody [EPR22649-155] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR22649-155] to MCP3 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IP 適用なし: Flow Cyt, ICC/IF or IHC-P
種交差性	交差種: Mouse, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: RAW264.7 (treated with 80 nM PMA), whole cell lysate; HEK-293T transfected with MCP3 expression vector containing a myc-His-tag®, whole lysate. IP: RAW264.7 (treated with 80 nM PMA for 24 hours, then with 100 ng/ml LPS treated for 6 hours with addition of 1ug/ml of Brefeldin A for the last 3 hours), cell lysate.
特記事項	<p>ab256821 is the carrier-free version of ab228979.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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>

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR22649-155
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab256821の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

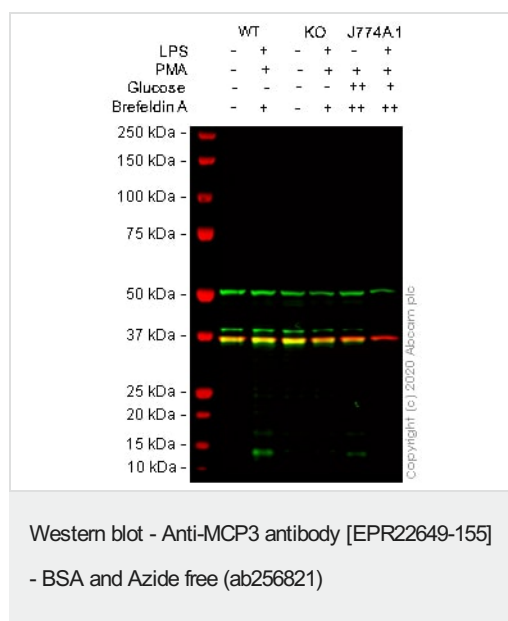
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 11 kDa.
IP		Use at an assay dependent concentration.

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

ターゲット情報

機能	Chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Augments monocyte anti-tumor activity. Also induces the release of gelatinase B. This protein can bind heparin. Binds to CCR1, CCR2 and CCR3.
配列類似性	Belongs to the intercrine beta (chemokine CC) family.
翻訳後修飾	O-glycosylated.
細胞内局在	Secreted.

画像



All lanes : Anti-MCP3 antibody [EPR22649-155] ([ab228979](#)) at 1/1000 dilution

Lane 1 : Wild-type RAW 264.7 untreated control cell lysate

Lane 2 : Wild-type RAW 264.7 PMA treated (80 nM, 24 h) plus LPS treated (100 ng/ml, 6 h) and Brefeldin A ([ab120299](#)) treated (5 µg/ml, 5 h) cell lysate

Lane 3 : CCL7/MCP3 knockout RAW 264.7 untreated cell lysate

Lane 4 : CCL7/MCP3 knockout RAW 264.7 PMA treated (80 nM, 24 h) plus LPS treated (100 ng/ml, 6 h) and Brefeldin A ([ab120299](#)) treated (5 µg/ml, 5 h) cell lysate

Lane 5 : J774A.1 Glucose treated (138.8 mM/L, 8 h) plus Brefeldin A treated (5 µg/ml, 6 h) and Brefeldin A ([ab120299](#)) treated (5 µg/ml, 5 h) cell lysate

Lane 6 : J774A.1 Glucose treated (5.6 mM/L, 8 h) plus Brefeldin A treated (5 µg/ml, 6 h) and Brefeldin A ([ab120299](#)) treated (5 µg/ml, 5 h) cell lysate

Lysates/proteins at 30 µg per lane.

Performed under reducing conditions.

Predicted band size: 11 kDa

Observed band size: 14 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab228979](#)).

Lanes 1 - 6: Merged signal (red and green). Green - [ab228979](#) observed at 14 kDa. Red - loading control [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) observed at 37 kDa.

[ab228979](#) was shown to react with MCP3 in RAW 264.7 wild-type cells in Western blot with loss of signal observed in CCL7 knockout sample. Wild-type and CCL7 knockout RAW 264.7 cell lysates were subjected to SDS-PAGE. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with [ab228979](#) 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® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Immunoprecipitation - Anti-MCP3 antibody
[EPR22649-155] - BSA and Azide free (ab256821)

MCP3 was immunoprecipitated from 0.35 mg RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) (treated with 80 nM Phorbol-12-myristate-13-acetate (PMA) for 24 hours, then with 100 ng/ml lipopolysaccharides (LPS) treated for 6 hours with addition of 1ug/ml of Brefeldin A for the last 3 hours), whole cell lysate with **ab228979** at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using **ab228979** at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

Lane 1: RAW264.7 (treated as above) whole cell lysate 10ug

Lane 2: **ab228979** IP in RAW264.7 (treated as above) whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab228979** in RAW264.7 (treated as above) whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 min.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab228979**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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