

Anti-CCL4/MIP-1 beta antibody [EPR23610-40] ab254371

リコンビナント RabMAb[®]

画像数 5

製品の概要

製品名	Anti-CCL4/MIP-1 beta antibody [EPR23610-40]
製品の詳細	Rabbit monoclonal [EPR23610-40] to CCL4/MIP-1 beta
由来種	Rabbit
特異性	This antibody has cross-reactivity with CCL4L1. There is about 97% homology between CCL4/MIP-1 beta and CCL4L1 in terms of the immunogen designed from CCL4/MIP-1 beta.
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, Dot blot 適用なし: IHC-P, IP or WB
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	ICC/IF: THP-1 cells (treated with PMA, 100nM for 16 hours, then with lipopolysaccharide (LPS, 100 ng/ml) for 4 hours and with BFA (1 Åµg/ml) for another 3 hours.). Flow Cyt (intra): THP-1 (treated with 100nM phorbol 12-myristate 13-acetate (PMA) for 16 hours, then 100 ng/ml lipopolysaccharide (LPS) for 4 hours and add 1 ug/ml Brefeldin A (BFA) for another 3 hours) and RAW 264.7 cells (treated with 100 ng/ml lipopolysaccharide (LPS) for 4 hours and 1 ug/ml Brefeldin A (BFA) for another 3 hours).
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.01% Sodium azide

	Constituents: 59.94% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23610-40
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ab254371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。

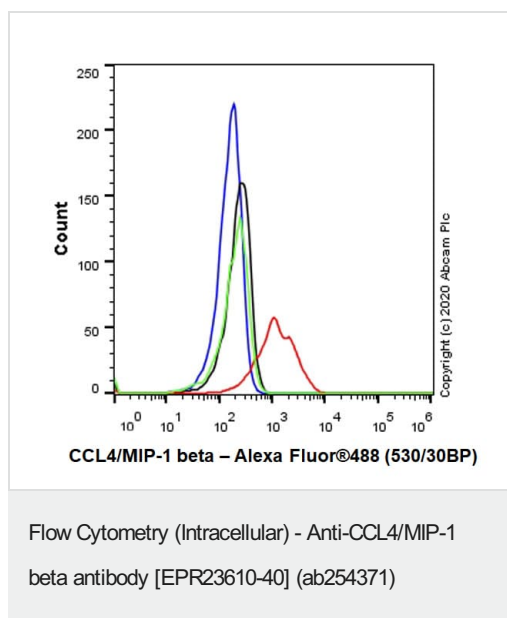
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/50.
ICC/IF		1/100.
Dot blot		1/1000.

追加情報 Is unsuitable for IHC-P, IP or WB.

ターゲット情報

機能	Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.
配列類似性	Belongs to the intercrine beta (chemokine CC) family.
翻訳後修飾	N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.
細胞内局在	Secreted.

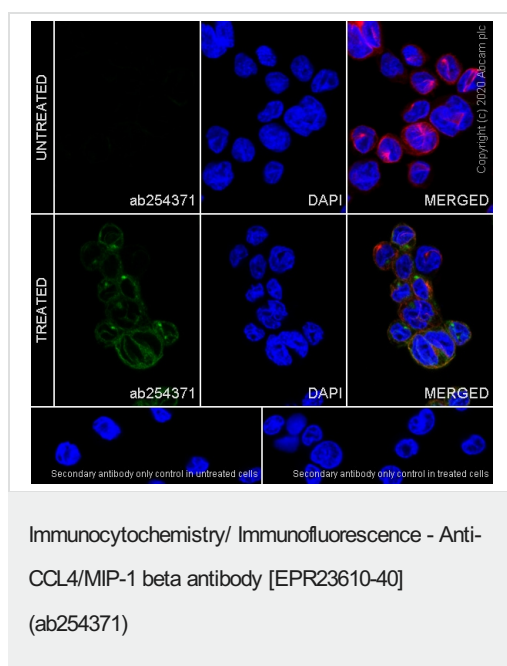
画像



Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized THP-1 (Human monocytic leukemia monocyte) (treated with 100nM phorbol 12-myristate 13-acetate (PMA) for 16 hours, then 100 ng/ml lipopolysaccharide (LPS) for 4 hours and add 1 ug/ml Brefeldin A (BFA) for another 3 hours) (Red)/Untreated control (Green) cells labelling CCL4/MIP-1 beta with ab254371 at 1/500 dilution (0.1ug)/ compared with a Rabbit monoclonal IgG ([ab172730](#)) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

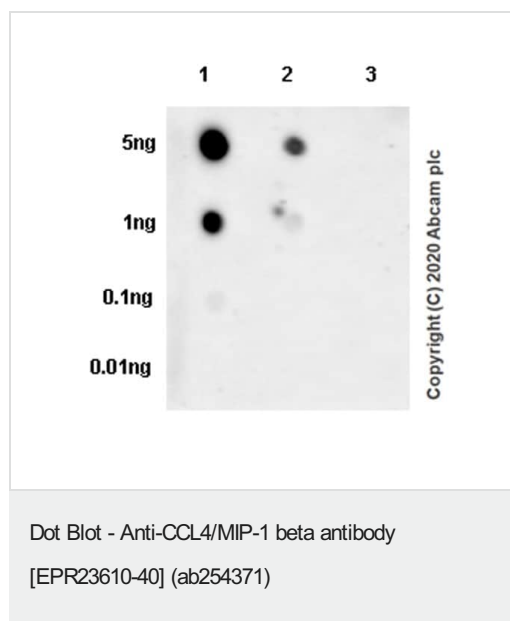
A Goat anti-rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.

The expression pattern is consistent with what is described in the literature (PMID:29669317).



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized THP-1 cells labelling CCL4/MIP-1 beta with ab254371 at 1/100 (5.45 ug/ml) dilution, followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in THP-1 cells treated with phorbol 12-myristate 13-acetate (PMA, 100nM) for 16 hours, then with lipopolysaccharide (LPS, 100 ng/ml) for 4 hours and with BFA (1 ug/ml) for another 3 hours. [ab195889](#) Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



Dot blot analysis of CCL4/MIP-1 beta using ab254371 at 1/1000 (0.545ug/ml) dilution followed by a Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20,000 dilution.

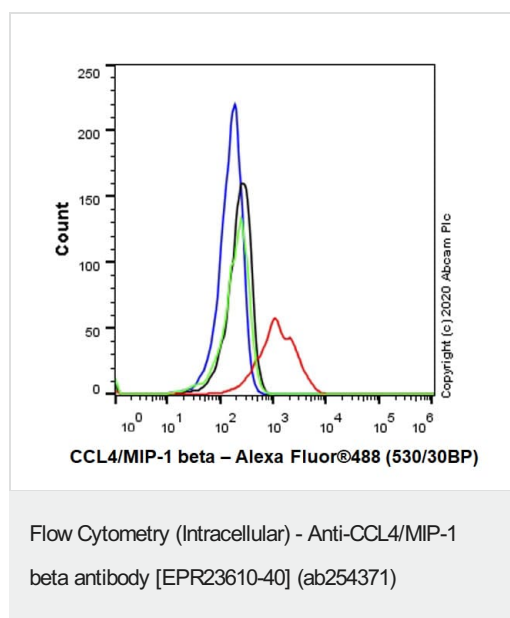
Lane 1: Human CCL4/MIP-1 beta immunogen recombinant protein

Lane 2: Human CCL4L1 recombinant protein

Lane 3: Bovine serum albumin (BSA)

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

Exposure time: 114 seconds



Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) (treated with 100 ng/ml lipopolysaccharide (LPS) for 4 hours and 1 ug/ml Brefeldin A (BFA) for another 3 hours) (Red) /Untreated control (Green) cells labelling CCL4/MIP-1 beta with ab254371 at 1/50 dilution (1ug)/ compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (Black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).

A Goat anti-rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

The expression pattern is consistent with what is described in the literature (PMID:32230927).

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

Anti-CCL4/MIP-1 beta antibody [EPR23610-40]
(ab254371)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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