

Product datasheet

Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494] ab40857

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494]
Description	Rabbit monoclonal [EPR494] to CCL4/MIP-1 beta + CCL4L1
Host species	Rabbit
Tested applications	Suitable for: IP, ICC/IF, WB Unsuitable for: IHC
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human CCL4/MIP-1 beta aa 50 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P13236
Positive control	THP-1 cell lysate
General notes	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 .

Properties

Form	Liquid
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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, PBS
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR494
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab40857 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

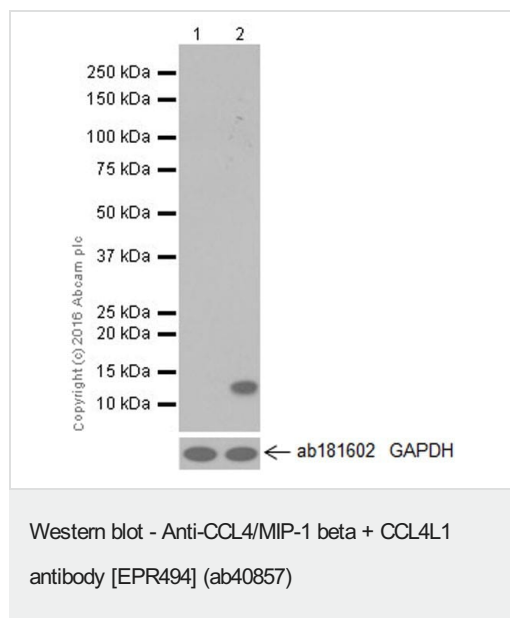
Application	Abreviews	Notes
IP		1/50.
ICC/IF		1/100.
WB		1/1000 - 1/500000. Detects a band of approximately 12 kDa (predicted molecular weight: 10 kDa).

Application notes Is unsuitable for IHC.

Target

Cellular localization CCL4/MIP-1 beta: Secreted. CCL4L1: Secreted.

Images



All lanes : Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494] (ab40857) at 1/1000 dilution

Lane 1 : Untreated THP-1 (human acute monocytic leukemia) lysate

Lane 2 : THP-1 (human acute monocytic leukemia) treated with 100 nM Phorbol-12-myristate-13-acetate(PMA) overnight, then treated with Lipopolysaccharides (LPS) 100 ng/mL for 7 hours and then 1 µg/mL Brefeldin A was added for the last 3 hours, lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

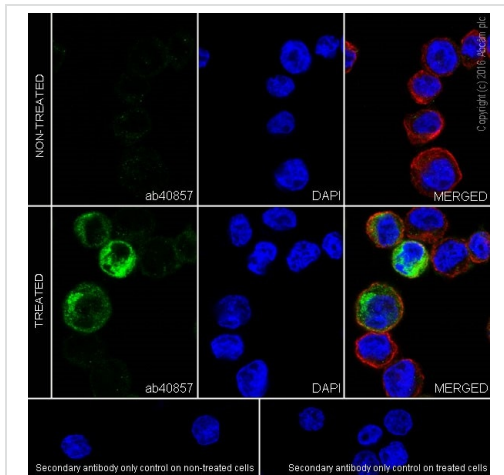
Predicted band size: 10 kDa

Observed band size: 12 kDa

Exposure time: 15 seconds

Blocking/Diluting buffer 5% NFDM /TBST.

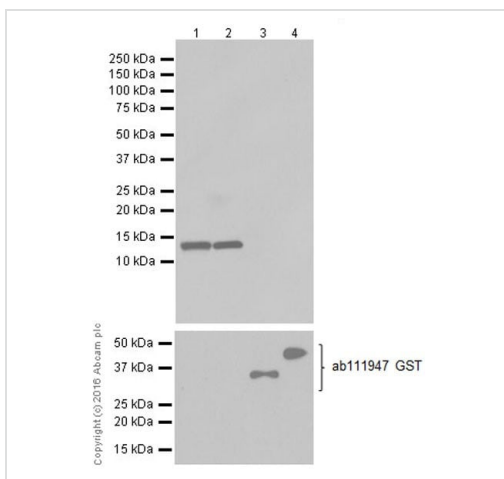
CCL4/MIP-1 beta (CCL4) is induced in macrophages following exposure to bacterial LPS (PMID: 9848081).



Immunocytochemistry/ Immunofluorescence - Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494] (ab40857)

Immunocytochemistry/Immunofluorescence analysis of THP-1 (Human monocytic leukemia cell line) labeling CCL4/MIP-1 beta/CCL4 + CCL4L with ab40857 at 1/100. Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Cells were counterstained with **ab195889**, Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200. Nuclei were counterstained with DAPI (blue).

The expression increased after treatment with Lipopolysaccharides (LPS), 100 ng/mL for 4 hours, followed by addition of Brefeldin A (1 µg/mL) for 3 hours.



Western blot - Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494] (ab40857)

All lanes : Anti-CCL4/MIP-1 beta + CCL4L1 antibody [EPR494] (ab40857) at 1/10000 dilution

Lane 1 : Untagged human CCL4 recombinant protein (aa24-92)

Lane 2 : Untagged human CCL4L recombinant protein (aa24-92)

Lane 3 : GST-tagged human CCL3 recombinant protein (aa27-92)

Lane 4 : GST-tagged human CCL3L recombinant protein 2*(aa28-93)

Lysates/proteins at 10 µg per lane.

Secondary

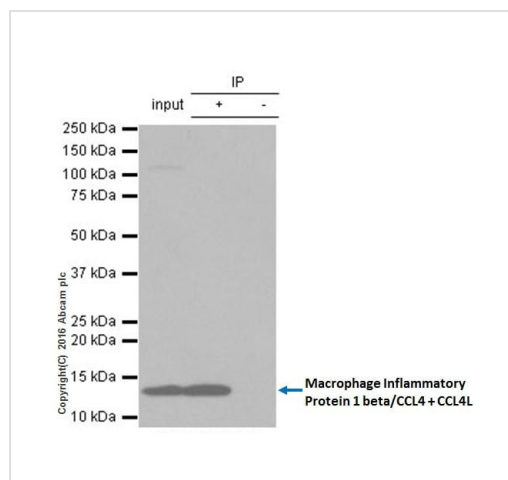
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 10 kDa

Observed band size: 12 kDa

Exposure time: 3 seconds

Blocking/Diluting buffer 5% NFDM /TBST



Immunoprecipitation - Anti-CCL4/MIP-1 beta +
CCL4L1 antibody [EPR494] (ab40857)

ab40857 at 1/50 immunoprecipitating CCL4/MIP-1 beta/CCL4 + CCL4L in THP-1 (Human monocytic leukemia cell line) whole cell lysate observed at 12 KDa (lanes 1 and 2).

Lane 1 (input): THP-1 treated with 100 nM PMA overnight, then treated with 100 ng/mL LPS for 7 hours and 1 µg/mL Brefeldin A was added for the last 3 hours whole cell lysate, 10µg

Lane 2 (+): ab40857 + THP-1 treated with 100 nM PMA overnight, then treated with 100 ng/mL LPS for 7 hours and 1µg/mL Brefeldin A was added for the last 3 hours whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab40857 in THP-1 treated with 100 nM PMA overnight, then treated with 100 ng/mL LPS for 7 hours and 1 µg/mL Brefeldin A was added for the last 3 hours whole cell lysate

For western blotting: ab40857 at 1/1000 followed by [ab131366](#) VeriBlot for IP Detection Reagent (HRP) for detection at 1/000.

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

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 + CCL4L1 antibody [EPR494] (ab40857)

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

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