## Anti-MCP1 antibody ab9669

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### 様品名
Anti-MCP1 antibody

### 様品の詳細
Rabbit polyclonal to MCP1

### 由来種
Rabbit

### アプリケーション
適用あり: WB, Sandwich ELISA, IHC-P, ICC/IF

### 種交差性
交差種: Human

### 免疫原
Recombinant fragment corresponding to Human MCP1.

**Sequence:**

QPDAINAPVT CCYNFTNRKI SVQRLASYRR
ITSSKCPKEA VIFKTVAKE ICADPKQKWV
QDSMDHLDKQ TQTPKT

### ポジティブ・コントロール

ウェスタン・ブロット用ポジティブコントロール

Recombinant human MCP1 protein (ab9670) can be used as a positive control in WB.

### 製品の特性

### 様品の状態
Lyophilised: Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.

### 保存方法

### バッファー
pH: 7.40

### 精製度
Immunogen affinity purified

### ポリ/モノ
ポリクローナル

### アイソタイプ
IgG

### 軽鎖の種類
unknown

### アプリケーション

Run BLAST with

Run BLAST with
**Chemotactic factor that attracts monocytes and basophils but not neutrophils or eosinophils.**

Augments monocyte anti-tumor activity. Has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis. May be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis.

**Belongs to the intercrine beta (chemokine CC) family.**

Processing at the N-terminus can regulate receptor and target cell selectivity. Deletion of the N-terminal residue converts it from an activator of basophil to an eosinophil chemoattractant.

Secreted.

**Western blot - Anti-MCP1 antibody (ab9669)**

HL-60 cells were incubated at 37°C for 24hrs with vehicle control (0 µM) and varied concentrations of 2-Arachidonylglycerol (ab120098). Increased expression of MCP1 in HL-60 cells correlates with an increase in 2-Arachidonylglycerol concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate). 10µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab9669 at 1 µg/ml and ab8227 at 1 µg/ml overnight at 4°C. Antibody binding was detected using an
anti-rabbit antibody conjugated to HRP (ab97051) at 1/10000 dilution and visualised using ECL development solution.

ab9669 at 2.5 µg/ml staining human breast invasive ductal carcinoma tissue by IHC-P. The antibody was incubated for two hours at room temperature. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended.

Standard curve for MCP1 (Analyte: ab73866); dilution range 1pg/ml to 1µg/ml using Capture Antibody Mouse monoclonal to MCP1 (ab9858) at 1µg/ml and Detector Antibody Rabbit polyclonal to MCP1 (ab9669) at 0.5µg/ml.

All lanes: Anti-MCP1 antibody (ab9669) at 0.2 µg/ml

Lane 1: Recombinant human MCP1 protein (ab73866) at 0.01 µg
Lane 2: Recombinant human MCP1 protein (ab73866) at 0.001 µg

Secondary
All lanes: Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 1 minute
Western blot - Anti-MCP1 antibody (ab9669)

Image courtesy of Dr. Laura Toma by Abreview.

Anti-MCP1 antibody (ab9669) at 1/4000 dilution + lysate prepared from human smooth muscle treated with 100µg/ml glycated LDL at 10 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) (ab6721) at 1/20000 dilution

Developed using the ECL technique.

**Observed band size**: 12-14 kDa

*why is the actual band size different from the predicted?*

**Exposure time**: 1 minute

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

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