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# **APC Anti-Human CCL2 Antibody[2H5]**

Catalog Number: AN00841E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Description

Reactivity Human

Host Armenian Hamster Isotype Armenian Hamster IgG, κ

Clone No. 2H5

Isotype Control APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

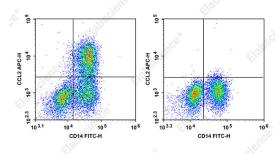
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Human peripheral blood mononuclear cells (PBMC) were stimulated with (left) or without (right) LPS. The PBMC were surface stained with FITC Anti-Human CD14 Antibody then intracellular stained with APC Anti-Human CCL2 Antibody[2H5]. Cells in the monocytes gate were used for analysis.

# **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

### **Antigen Information**

Alternate Names Monocyte chemoattractant protein-1; Monocyte chemoattractant and activating factor (

MCAF);JE;Small inducible cytokine A2 (SCYA2);HC-11;P6;Smooth muscle cell

chemotactic factor (SMC-CF);CCL2;AN00841

# For Research Use Only

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 Uniprot ID
 P13500

 Gene ID
 6347

**Background** 

Monocyte chemotactic protein-1 (MCP-1) also known as monocyte chemotactic and activating factor (MCAF) was identified based on its ability to chemoattract monocytes. Subsequently, MCP-1 has also been found to regulate adhesion molecule expression and cytokine production in monocytes. MCP-1 is identical to the product of the JE gene, a PDGF inducible gene. MCP-1 is a member of the beta (C-C) chemokine subfamily, known as CCL2. The 2H5 antibody reacts with mouse, rat, and human MCP-1. The 2H5 antibody can neutralize the bioactivity of natural or recombinant MCP-1.

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