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FITC Anti-Mouse CD206/MMR Antibody[C068C2]

Catalog No. E-AB-F1135C Reactivity Mouse
Storage Store at 2~8°C, Avoid freeze / thaw cycles Applications FCM,ICFCM

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

Antigen Information

Alternate Names MMR,MR,MRC1,macrophage mannose receptor,mannose receptor

Uniprot ID Q61830

Background CD206, also known as mannose receptor (MR), is a 175 kD type I membrane protein. It is a

pattern recognition receptor (PRR) belonging to the C-type lectin superfamily. MR is expressed on macrophages, dendritic cells, Langerhans cells, and hepatic or lymphatic endothelial cells. MR recognizes a range of microbial carbohydrates bearing mannose, fucose, or N-acetyl glucosamine through its C-type lectin-like carbohydrate recognition domains, sulfated carbohydrate antigens through its cysteine-rich domain, and collagens through its fibronectin type II domain. MR mediates endocytosis and phagocytosis as well as activation of macrophages and antigen presentation. It plays an important role in host defense and provides a link between innate and adaptive immunity. Recently, MR on lymphatic endothelial cells was found to be involved in leukocyte trafficking and a contributor to the metastatic behavior of cancer cells. It suggests that MR may be a potential target in controlling inflammation and cancer metastasis by targeting the

lymphatic vasculature.

Product Details

Form Liquid

Size 50Tests/100Tests/100Tests×2

Clone No. C068C2 Host Rat

IsotypeRat IgG2a, κReactivityMouseApplicationFCM,ICFCM

Isotype Control FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832C]

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at $2\sim8^{\circ}\text{C}$ and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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Fluorophore

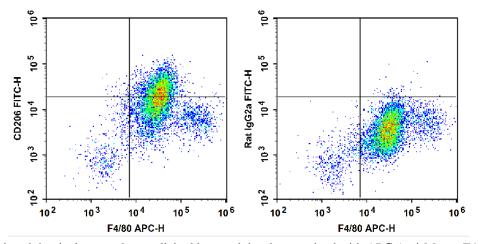
Conjugation: FITC

FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

Recommended usage

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

Product data



C57BL/6 murine abdominal macrophages elicited by starch broth are stained with APC Anti-Mouse F4/80 Antibody and FITC Anti-Mouse CD206 Antibody (Left). Abdominal macrophages are stained with APC Anti-Mouse F4/80 Antibody and FITC Rat IgG2a, κ Isotype Control (Right).

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Intracellular Antigens for Flow Cytometry https://www.elabscience.com/List-detail-5570.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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