

FITC Anti-Mouse CD206 Antibody[C068C2]

Catalog No.	E-AB-F1135UC	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
Concentration	0.5 mg/mL
Size	25µg/100µg
Clone No.	C068C2
Host	Rat
Isotype	Rat IgG2a, κ
Reactivity	Mouse
Application	FCM,ICFCM
Isotype Control	FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833C]
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 2~8°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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 If you would like to learn more about antibodies, please visit www.elabscience.com.

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Applications:Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

Fluorophore

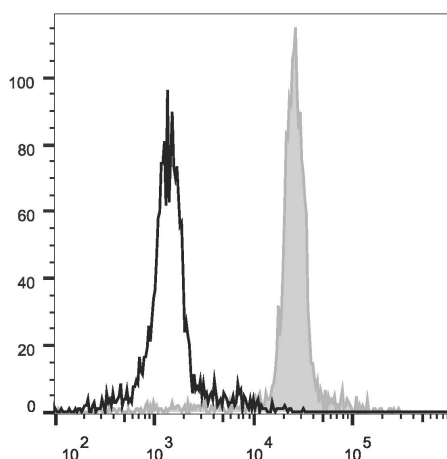
Conjugation: FITC

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. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume].

Product data



Mouse abdominal macrophages elicited by starch broth preincubated with Purified Rat Anti-Mouse CD16/CD32 antibody are fixed/pemeabilized and then stained with FITC Anti-Mouse CD206 Antibody (filled gray histogram). Unstained cells (empty black histogram) are used as control.

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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