

## PE/Cyanine7 Anti-Mouse CD206/MMR Antibody[C068C2]

|                    |  |                     |           |
|--------------------|--|---------------------|-----------|
| <b>Catalog No.</b> | E-AB-F1135H                                | <b>Reactivity</b>   | Mouse     |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM,ICFCM |

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

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | MMR,MR,MRC1,macrophage mannose receptor,mannose receptor  |
| <b>Uniprot ID</b>      | Q61830  |
| <b>Background</b>      | 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

|                                |  |
|--------------------------------|--|
| <b>Form</b>                    | Liquid   |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2  |
| <b>Clone No.</b>               | C068C2   |
| <b>Host</b>                    | Rat  |
| <b>Isotype</b>                 | Rat IgG2a, κ   |
| <b>Reactivity</b>              | Mouse  |
| <b>Application</b>             | FCM,ICFCM  |
| <b>Isotype Control</b>         | <a href="#">PE/Cyanine7 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832H]</a>   |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |
| <b>Shipping</b>                | Biological ice pack at 4 °C  |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

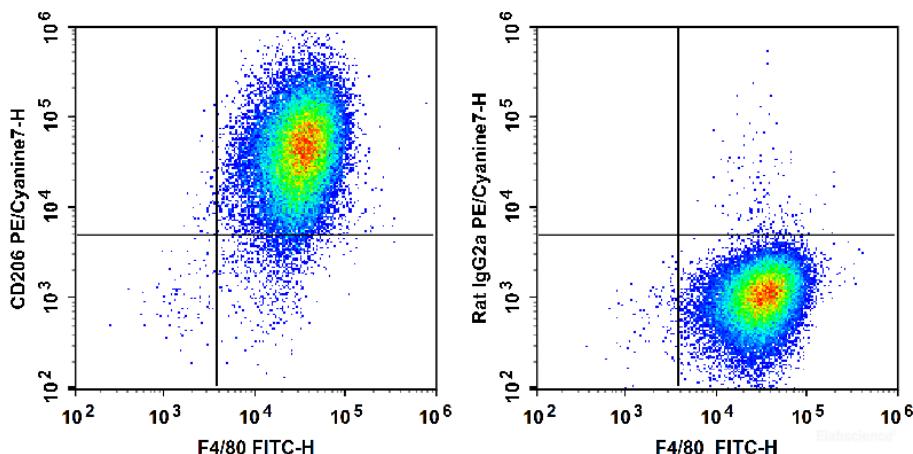
**Conjugation:** PE/Cyanine7

PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 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 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL 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 FITC Anti-Mouse F4/80 Antibody and PE/Cyanine7 Anti-Mouse CD206 Antibody (Left). Abdominal macrophages are stained with FITC Anti-Mouse F4/80 Antibody and PE/Cyanine7 Rat IgG2a, κ Isotype Control (Right).

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.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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