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## PE/Cyanine7 Anti-Mouse CD64/FcyRI Antibody[X54-5/7.1]

Catalog No. E-AB-F1186UH Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM** 

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

## **Antigen Information**

**Alternate Names** Fcg1,Fcgr1,FcRI,CD64,IgG Fc receptor I

**Uniprot ID** P26151

**Background** CD64 is a 72 kD single chain type I glycoprotein also known as FcyRI and FcRI. CD64 is a

> member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and mast cells. The expression can be upregulated by IFN-γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen

complexes, and antibody-dependent cellular cytotoxicity (ADCC).

### **Product Details**

**Form** Liquid Concentration 0.2 mg/mL25μg/100μg **Size** Clone No. X54-5/7.1 Mouse Host

**Isotype** Mouse IgG1, κ

Mouse Reactivity **Application FCM** 

**Isotype Control** PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793H]

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

Biological ice pack at 4 °C Shipping 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

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Email: techsupport@elabscience.com Web: www.elabscience.com

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# **Fluorophore**

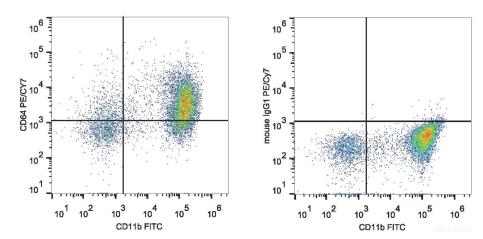
Conjugation: PE/Cyanine7

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. 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  $\mu g/10^6$  cells in  $100~\mu L$  volume].

#### **Product data**



C57BL/6 murine splenocytes are stained with PE/Cyanine7 Anti-Mouse CD64 Antibody and FITC Anti-Mouse CD11b Antibody (Left). Splenocytes stained with FITC Anti-Mouse CD11b Antibody and PE/Cyanine7 Mouse IgG1 Isotype Control (Right) are used as control.

### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>

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