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

Catalog Number: E-AB-F1186UH

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

#### **Description**

Reactivity Mouse Host Mouse

**Isotype** Mouse IgG1, κ **Clone No.** X54-5/7.1

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

Conjugation PE/Cyanine 7

Conjugation Information 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).

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

#### Applications Recommended usage

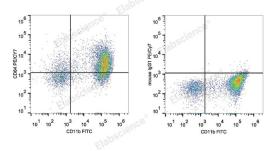
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

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<sup>6</sup> cells in 4.00  $\mu$ g/10<sup>8</sup> cells

in 100 µL volume].

### 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.

#### **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 CD64;FcRI;Fcg1;Fcgr1;lgG Fc receptor I

Uniprot ID P26151

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID Background 14129

CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI 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).