

## PE Anti-Human CD64 Antibody[10.1]

Catalog Number: E-AB-F1082D

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

### Description

|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Human   |
| <b>Host</b>                    | Mouse   |
| <b>Isotype</b>                 | Mouse IgG1, κ   |
| <b>Clone No.</b>               | 10.1  |
| <b>Isotype Control</b>         | PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]  |
| <b>Conjugation</b>             | PE  |
| <b>Conjugation Information</b> | PE 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 575 nm (e.g., a 585/42 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.  |

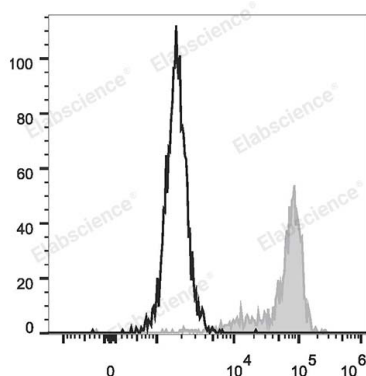
### Applications

### Recommended usage

FCM

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.

### Data



Staining of normal human peripheral blood cells with PE Anti-Human CD64 Antibody[10.1] (filled gray histogram) or PE Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|                 |   |
|-----------------|---|
| <b>Storage</b>  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| <b>Shipping</b> | Ice bag   |

### Antigen Information

|                        |   |
|------------------------|---|
| <b>Alternate Names</b> | CD64;CD64A/B/C;FCGR1A/B/C;Fc fragment of IgG high affinity Ia/b/c receptor;Fc gamma RI;IGFR 1 |
| <b>Uniprot ID</b>      | P12314  |

### For Research Use Only

**Gene ID**

2209

**Background**

CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. 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).