

## Elab Fluor® 647 Anti-Human CD33 Antibody[P67.6]

Catalog Number: GFH00333M

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

### Description

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                  |
| Host                    | Mouse                                                                                                                                                                  |
| Isotype                 | Mouse IgG1, κ                                                                                                                                                          |
| Clone No.               | P67.6                                                                                                                                                                  |
| Isotype Control         | Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M]                                                                                          |
| Conjugation             | Elab Fluor® 647                                                                                                                                                        |
| Conjugation Information | Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                    |

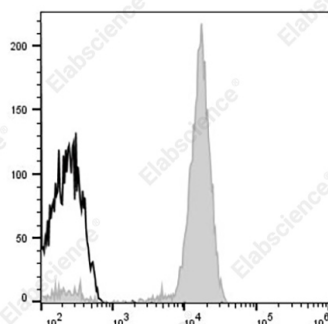
### Applications

### 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 Elab Fluor® 647 Anti-Human CD33 Antibody[P67.6] (filled gray histogram) or Elab Fluor® 647 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the monocytes gate were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Alternate Names | Myeloid cell surface antigen CD33;CD33;Sialic acid-binding Ig-like lectin 3;Siglec-3;gp67;SIGLEC3 |
| Uniprot ID      | P20138                                                                                            |

### For Research Use Only

**Gene ID**

945

**Background**

CD33 is a 67 kD type I transmembrane glycoprotein also known as Siglec-3, gp67, and p67. It is a sialoadhesion immunoglobulin superfamily member expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. CD33 is absent on normal platelets, lymphocytes, erythrocytes and hematopoietic stem cells. CD33 functions as a sialic acid-dependent cell adhesion molecule with carbohydrate/lectin binding activity.