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# Elab Fluor® Violet 450 Anti-Human CD33 Antibody[6C5]

Catalog No.E-AB-F1083QReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

## **Antigen Information**

Alternate Names Myeloid cell surface antigen CD33,CD33,Sialic acid-binding Ig-like lectin

3,Siglec-3,gp67,SIGLEC3

Uniprot ID P20138 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.

#### **Product Details**

Form Liquid

Size 20Tests/100Tests/100Tests×2

Clone No. 6C5 Host Mouse

**Isotype** Mouse IgG1,  $\kappa$ 

**Reactivity** Human **Application** FCM

Isotype ControlElab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792Q]Storage BufferPhosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping** Biological ice pack at 4 °C **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
 Fax: 1-832-243-6017

 Web: <a href="https://www.elabscience.com">www.elabscience.com</a>
 Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>

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## **Fluorophore**

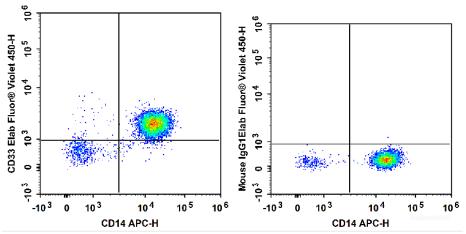
Conjugation: Elab Fluor® Violet 450

Elab Fluor  $^{\otimes}$  Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### **Product data**



Human peripheral blood are stained with APC Anti-Human CD14 Antibody and Elab Fluor<sup>®</sup> Violet 450 Anti-Human CD33 Antibody (Left). Cells in the monocyte gate were used for analysis. Cells are stained with APC Anti-Human CD14 Antibody and Elab Fluor<sup>®</sup> Violet 450 Mouse IgG1, κ Isotype Control (Right).

#### **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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