

Elab Fluor® 647 Anti-Human CD90 Antibody[5E10]

| | | | |
|--------------------|--|---------------------|-------|
| Catalog No. | E-AB-F1167M | Reactivity | Human |
| 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 | CDw90,T25,FLJ33325,Thy1 |
| Uniprot ID | P04216 |
| Background | CD90 is a 25-35 kD GPI-anchored protein, also known as Thy-1. It belongs to the Ig superfamily. Human CD90 is expressed on neuronal cells, a subset of CD34+ cells, a subset of fetal liver cells and fetal thymocytes, fibroblasts, activated endothelial cells, and some leukemia cell lines. CD34+CD90+ cells are primitive hematopoietic stem cells. It has been reported that Thy-1 binds with $\beta 2$ and $\beta 3$ integrins and plays bimodal roles in the regulation of cell adhesion and neurite outgrowth, and inhibits hematopoietic stem cells proliferation and differentiation. |

Product Details

| | |
|--------------------------------|--|
| Form | Liquid |
| Size | 20Tests/100Tests/100Tests×2 |
| Clone No. | 5E10 |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Reactivity | Human |
| Application | FCM |
| Isotype Control | Elab Fluor® 647 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M] |
| Storage Buffer | Phosphate 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

Fluorophore

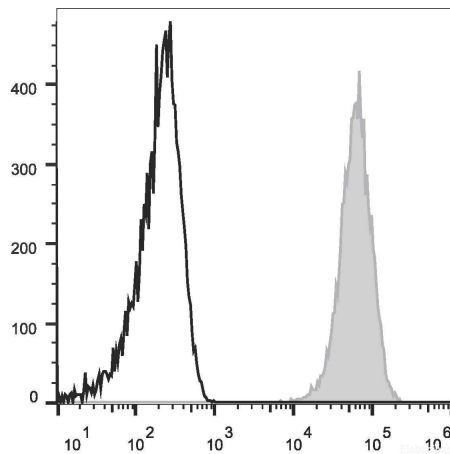
Conjugation: Elab Fluor® 647

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).

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 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.

Product data



Jurkat cells are stained with Elab Fluor® 647 Anti-Human CD90 Antibody (filled gray histogram). Unstained Jurkat cells (empty black histogram) are used as control.

Related Information

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