# PerCP/Cyanine5.5 Anti-Human CD90 Antibody[5E10]

**Catalog Number:** E-AB-F1167J

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

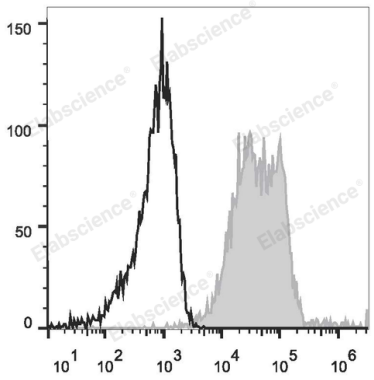
## Description

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| **Reactivity** | Human |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1, κ |
| **Clone No.** | 5E10 |
| **Isotype Control** | PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792J] |
| **Conjugation** | PerCP/Cyanine 5.5 |
| **Conjugation Information** | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

## Applications — Recommended usage

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|---|---|
| **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




Human erythroleukemic cell line (HEL) are stained with PerCP/Cyanine5.5 Anti-Human CD90 Antibody (filled gray histogram) or Mouse IgG1 Isotype Control PerCP/Cyanine5.5 (empty black histogram).

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>Store at 2-8°C and protected from prolonged exposure to light. Do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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|---|---|
| **Alternate Names** | CDw90;FLJ33325;T25;Thy1 |
| **Uniprot ID** | P04216 |
| **Gene ID** | 7070 |


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**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 β2 and β3 integrins and plays bimodal roles in the regulation of cell adhesion and neurite outgrowth, and inhibits hematopoietic stem cells proliferation and differentiation.


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