# **Elabscience**®

# PE/Elab Fluor<sup>®</sup> 594 Anti-Human CD90 Antibody[5E10]

Catalog No.E-AB-F1167PStorageStore at 2~8°C, Avoid freeze / thaw cycles

ReactivityHumanApplicationsFCM

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

# **Antigen Information**

Alternate Names	CDw90,T25,FLJ33325,Thy1
Uniprot ID	P04216
Gene ID	7070
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, ĸ
Reactivity	Human
Application	FCM
Isotype Control	<u>PE/Elab Fluor<sup>®</sup> 594 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792P]</u>
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** 

# **Elabscience**®

# Fluorophore

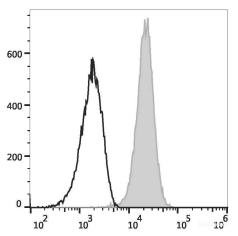
**Conjugation:** PE/Elab Fluor<sup>®</sup> 594

PE/Elab Fluor<sup>®</sup> 594 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 620 nm (e.g., a 610/20 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  $\mu$ 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**



Jurkat cells are stained with PE/Elab Fluor<sup>®</sup> 594 Anti-Human CD90 Antibody (filled gray histogram) or PE/Elab Fluor<sup>®</sup> 594 Mouse IgG1, κ Isotype Control (empty black histogram).

# **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? <u>https://www.elabscience.com/List-detail-459742.html</u>