

Anti-Human CD90, APC

Please read the datasheet carefully prior to use.

Cat. No. HF134

Version No. Version 2.0

Storage: at 2-8°C for one year in the dark, do not freeze.

Description

CD90, also known as Thy 1, is a 25-37 kD immunoglobulin superfamily member. It is a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein. CD90 is mainly expressed in thymocytes, nerve cells, CD34+ cell subsets, fibroblasts, hematopoietic stem cells, activated endothelial cells and some leukemia cell lines. CD90 is a marker of microvascular endothelial cell activation, related to the formation of new blood vessels, and also one of the important markers for identifying mesenchymal stem cells. CD90 is involved in the regulation of cell adhesion by binding to $\beta 2$ and $\beta 3$ integrins. After purification of human CD90 monoclonal antibody by affinity chromatography, the antibodies were conjugated with fluorescein APC under optimal conditions and used for flow cytometric detection of CD90 on cell surface.

Product Information

Specificity: Human

Host Species: Mouse

Antibody Type: Monoclonal

Clone Number: Trans-5E10

Antibody Subtype: Mouse IgG1, κ

Label: APC (Ex: 633-647 nm; Em: 660 nm)

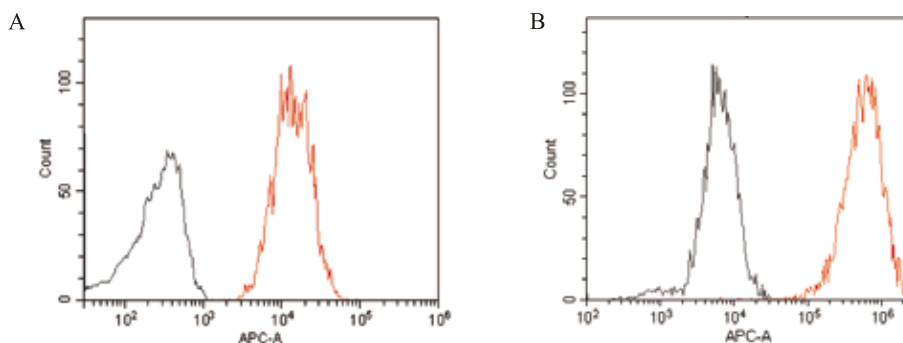
Stock Solution: Phosphate buffered saline (pH 7.2) containing 1% BSA and 0.05% ProClin 300

Kit Contents

Component	HF134-01	HF134-02
Anti-Human CD90, APC	25 tests	50 tests

Applications

For flow cytometric staining, the recommended dosage is 5 μ l antibody per 1×10^6 cells, and the staining volume is 100 μ l. Or staining with 5 μ l antibody per 100 μ l whole blood.



A: Human mesenchymal stem cells were stained with APC Mouse IgG1, κ Isotype Ctrl (gray line) or Anti-Human CD90, APC (red line), respectively.

B: HEL cells were stained with APC Mouse IgG1, κ Isotype Ctrl (gray line) or Anti-Human CD90, APC (red line), respectively.

Notes

- As the optimal concentration of flow cytometric antibody is affected by the number of cells, staining temperature, staining time and other factors, it is recommended that customers optimize titration before formal experiment to obtain the best results.
- For your health, please wear gloves and standardize the experiment operation.



Related Products

Cat. No.	Product Name	Specification
FB103-01	Staining Buffer (1×)	500 ml
FG701-01	PBS (1×)	500 ml
HF121-01/02	Anti-Human CD45, FITC	25T/50T
HF125-01/02	Anti-Human CD45, PerCP-Cy5.5	25T/50T
HF101-01/02	Anti-Human CD73, FITC	25T/50T
HF102-01/02	Anti-Human CD73, PE	25T/50T
HF104-01/02	Anti-Human CD73, APC	25T/50T
HF111-01/02	Anti-Human CD105, FITC	25T/50T
HF112-01/02	Anti-Human CD105, PE	25T/50T
HF114-01/02	Anti-Human CD105, APC	25T/50T
HF001	Human MSC Characterization Kit	25T/50T

For more flow cytometric antibody products, please refer to the official website(<https://www.transgenbiotech.com/>) or call for consultation.

FOR RESEARCH USE ONLY

