

## Anti-Human CD73, APC

Please read the datasheet carefully prior to use.

Cat. No. HF104

Version No. Version 2.0

Storage: at 2-8°C in dark for one year, don't freeze

### Description

CD73 is a 70 kD homodimer consisting of 2 identical subunits anchored externally to the cell surface by a glycosyl phosphatidyl inositol (GPI). It can hydrolyze Adenosine monophosphate (AMP) into adenosine. CD73 is expressed in T lymphocytes, B lymphocytes, mesenchymal stem cells, foaming tree dendritic cells, endothelial cells, and epithelial cell sub-groups, which costimulate the activation of T cells and regulates the adhesion of lymphocytes and endothelial cells. CD73, as a marker of lymphocyte differentiation, is attenuated in some immunodeficiency diseases. According to research reports, CD73 is a potential biomarker, which is closely related to the adverse prognosis of various types of tumors. After purification of CD73 monoclonal antibody by affinity chromatography, the antibodies were conjugated with fluorescein APC under optimal conditions and used for flow cytometric detection of CD73 on cell surface.

### Product Information

Specificity: Human

Host Species: Mouse

Antibody Type: Monoclonal

Clone Number: Trans-1H4

Antibody Subtype: Mouse IgG1,  $\kappa$

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

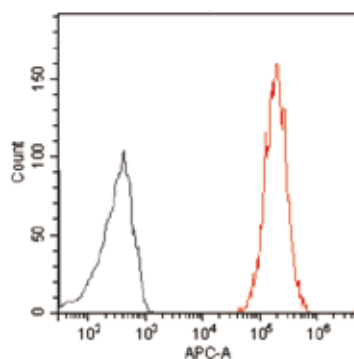
Stock Solution: Phosphate buffered saline (pH 7.2) containing 1% BSA and 0.05% ProClin 300

### Kit Contents

Component	HF104-01	HF104-02
Anti-Human CD73, APC	25 tests	50 tests

### Applications

For flow cytometric staining, the recommended dosage is 5  $\mu$ l antibody per  $1 \times 10^6$  cells and the staining volume is 100  $\mu$ l; Or staining with 5  $\mu$ l antibody per 100  $\mu$ l whole blood.



Human mesenchymal stem cells were stained with APC Mouse IgG1,  $\kappa$  Isotype Ctrl (grey line) or Anti-Human CD73, APC (red line).

### 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 experimental 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
HF134-01/02	Anti-Human CD90, 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

