

Anti-Human CD45, FITC

Please read the datasheet carefully prior to use.

Cat. No. HF121

Version No. Version 2.0

Storage: At 2-8°C in dark for one year, avoid freezing.

Description

CD45, also known as leukocyte common antigen (LCA) or protein tyrosine phosphatase receptor type C (PTPRC), which consists of single-chain type I transmembrane glycoproteins with a similar structure and a molecular weight between 180-240 kDa. CD45 is expressed in the surface of all white blood cells (including lymphocytes, granulocytes and monocytes) except red blood cells and blood platelets. CD45 is a tyrosine phosphorous acidase, which plays a key role in the activation mediated by antigen receptor of T and B cells through dephosphorylation of substrates including p56Lck, p59Fyn and other Src-family kinases. In addition, CD45 is a key molecule for signal transduction on the cell membrane, which plays a important role in the development and maturation, regulation of function and signal transmission of lymphocytes. After purification of CD45 monoclonal antibody by affinity chromatography, the antibodies were conjugated with fluorescein FITC under optimal conditions and used for flow cytometric detection of CD45 on cell surface.

Product Information

Specificity: Human

Host Species: Mouse

Antibody Type: Monoclonal

Clone number: Trans-1F1

Subtype: Mouse IgG1, κ

Label: FITC (Ex: 488 nm; Em: 520 nm)

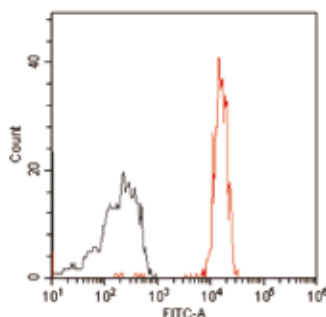
Stock Solution: Phosphate buffered saline(pH 7.2) containing 1% of BSA and 0.05 % of ProClin 300

Kit Contents

Component	HF121-01	HF121-02
Anti-Human CD45, FITC	25 tests	50 tests

Applications

For flow cytometry staining, the recommended usage is below: 5 μ l antibody per 1×10^6 cells, the staining volume is 100 μ l; or staining with 5 μ l antibody per 100 μ l whole blood.



The staining result of human peripheral blood lymphocyte treated with FITC Mouse IgG1, κ Isotype Ctrl (gray line) or Anti-Human CD45, FITC (red line) separately.

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 experimental operation.



Related Products

Cat. No.	Product Name	Specification
FB101-01	RBC Lysis Buffer (1×)	100 ml
FB102-02	Human Peripheral Blood Lymphocyte Separation Solution	200 ml
FB103-01	Staining Buffer (1×)	500 ml
FB104-01	Permeabilization Buffer (10×)	100 ml
FG701-01	PBS (1×)	500 ml
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
HF125-01/02	Anti-Human CD45, PerCP-Cy5.5	25T/50T
HF134-01/02	Anti-Human CD90, APC	25T/50T
HF141-01/02	Anti-Human CD4, FITC	25T/50T
HF142-01/02	Anti-Human CD4, PE	25T/50T
HF144-01/02	Anti-Human CD4, APC	25T/50T
HF151-01/02	Anti-Human CD3, FITC	25T/50T
HF152-01/02	Anti-Human CD3, PE	25T/50T
HF154-01/02	Anti-Human CD3, APC	25T/50T
HF161-01/02	Anti-Human CD8a, FITC	25T/50T
HF162-01/02	Anti-Human CD8a, PE	25T/50T
HF164-01/02	Anti-Human CD8a, APC	25T/50T
HF171-01/02	Anti-Human IFN- γ , FITC	25T/50T
HF172-01/02	Anti-Human IFN- γ , PE	25T/50T
HF174-01/02	Anti-Human IFN- γ , APC	25T/50T
HF001	Human MSC Characterization Kit	25T/50T

For more information about flow products, please read the official website of TransGen Biotech (<https://www.transgenbiotech.com/>) or contact us for consulting.

For research use only, not for clinical diagnosis.

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