

PerCP-Cy5.5 Labeled Monoclonal Anti-Human CD45 Antibody, Mouse IgG2a

Catalog # FABm007-06



Clone

AS225

Isotype

Mouse IgG2a, Kappa

Host Species

Mouse

Reactivity

Human

Conjugate

PerCP-Cy5.5

Excitation Wavelength: 488 nm

Emission Wavelength: 690 nm

Specificity

This product is a specific antibody specifically reacts with CD45 protein.

Application

This PerCP-Cy5.5-CD45 Antibody is specifically developed for flow cytometry applications to detect the expression of CD45 on human cells. Additionally, the Human TBNK 6-color Cocktail Flow Panel kit (Cat. No. [ICA-A001](#)) is available, with the PerCP-Cy5.5-CD45 Antibody being one component of the kit.

Recommended Dilution

1:20

Form

Liquid

Formulation

Supplied as 0.2 µm-filtered solution in PBS (pH 7.4) containing 0.03% ProClin 300 and 0.2% BSA, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Shipping

Liquid product is shipped at blue ice.

Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- Store at 2-8 °C for 12 months.

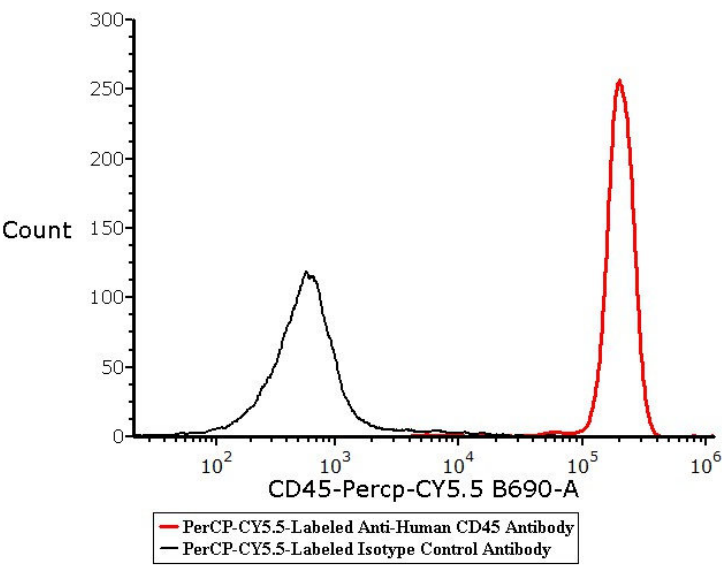
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-FACS



Flow cytometric analysis of Human peripheral blood lymphocytes respectively staining with PerCP-CY5.5-Labeled Anti-Human CD45 Antibody, mouse IgG2a (Cat. No. FABm007-06) at 1:20 dilution (5 µL of the antibody stock solution corresponds to labeling of 2.5e5 cells in a final volume of 100 µL), compared with isotype control antibody. PerCP-CY5.5 signal was used to evaluate the binding activity (QC tested).

Background

CD45 is a receptor protein tyrosine phosphatase, also known as Ly-5 or leukocyte common antigen. CD45 mainly involves in the initiation of T cell receptor signaling by controlling the activation of the Src family protein-tyrosine kinases Lck and Fyn. CD45 deficiency causes in T- and B-lymphocyte dysfunction in the form of severe combined immune deficiency. It also takes a significant role in autoimmune diseases and cancer as well as in infectious diseases including fungal infections.



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