

CD45 antibody [2D1] (PE-Cy5)

Cat. No. GTX01462-09

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human

References (4)

Package

100 test

PRODUCT

Summary

The 2D1 antibody reacts with human CD45, one of the most abundant hematopoietic markers and one that is expressed on all leukocytes (the Leukocyte Common Antigen, LCA). CD45 is a protein tyrosine phosphatase existing in several isoforms, each being generated and expressed in cell-specific patterns. With its broad cell distribution, CD45 is critical for many leukocyte functions, regulating signal transduction and cell activation associated with the T cell receptor, B cell receptor, and IL-2 receptor. Other forms of CD45, with restricted cellular expression, include CD45R (B220), CD45RA, CD45RB, and CD45RO. The 2D1 antibody is widely used as a marker for human CD45 expression on peripheral blood T cells, B cells, monocytes, macrophages, and NK cells.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM

0.25 µg (5 µl) for 10⁵-10⁸ cells in 100 µl sample per test

Not tested in other applications.

Properties

Form Liquid

Buffer 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin

Preservative 0.09% Sodium azide

Storage Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.

Concentration 0.05 mg/ml (Please refer to the vial label for the specific concentration.)

Purification Purified by affinity chromatography
From tissue culture supernatant

Conjugation Phycoerythrin-Cyanine5 (PE-Cy5) [Wavelength](#)

Note

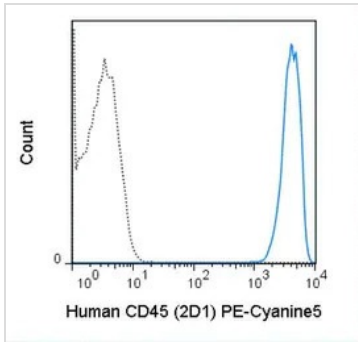
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DATA IMAGES

**GTX01462-09 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01462-09 CD45 antibody [2D1] (PE-Cy5).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25 μ g (5 μ l)



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