

CD45 antibody [2D1] (PE-Cy7)

Cat. No. GTX01462-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	FACS
Reactivity	Human

Reference (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.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
FACS	0.25 µg (5 µl) for 10 ⁵ -10 ⁸ cells in 100 µl sample per test

Not tested in other applications.

Calculated MW	147 kDa. (Note)
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PROPERTIES

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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-Cyanine7 (PE-Cy7)

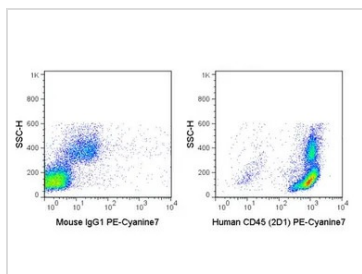


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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx01462-10 FACS Image

FACS analysis of human PBMCs using GTx01462-10 CD45 antibody [2D1] (PE-Cy7).

Right panel : primary antibody

Left panel : isotype control

antibody amount : 0.25 µg (5 µl)



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