

## CD45 antibody [2D1] (PerCP)

Cat. No. GTX01462-16

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	FCM
<b>Reactivity</b>	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	0.5 µg (5 µl) for 10 <sup>5</sup> -10 <sup>8</sup> cells in 100 µl sample per test
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Not tested in other applications.

## Properties

<b>Form</b>	Liquid
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<b>Buffer</b>	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
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<b>Preservative</b>	0.09% Sodium azide
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<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
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<b>Concentration</b>	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
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<b>Purification</b>	Purified by affinity chromatography From tissue culture supernatant
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<b>Conjugation</b>	Peridinin-chlorophyll proteins (PerCP) <a href="#">Wavelength</a>
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## Note

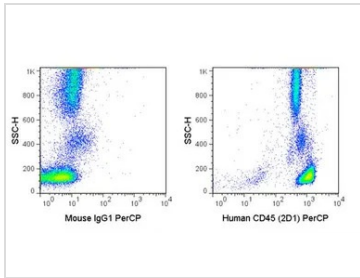
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## DATA IMAGES

**GTX01462-16 FCM Image**

FACS analysis of human lysed whole blood using GTX01462-16 CD45 antibody [2D1] (PerCP).

Right panel : primary antibody

Left panel : isotype control

antibody amount : 0.5  $\mu$ g (5  $\mu$ l)



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