

CD45 antibody [HI30] (PerCP-Cy5.5)

Cat. No. GTX00526-11

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, Chimpanzee

References (10)

Package

100 test

PRODUCT

Summary

The HI30 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, CD45RO and others.

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.

Product Note

This antibody recognizes all isoforms of human CD45 antigen (Leukocyte Common Antigen).

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 Peridinin-chlorophyll proteins-Cyanine5.5 (PerCP-Cy5.5) [Wavelength](#)



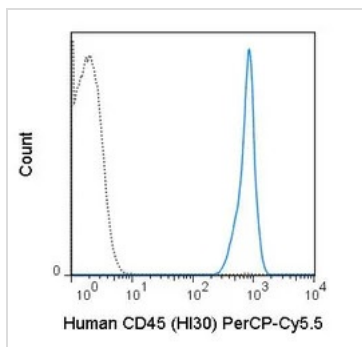
For full product information, images and publications, please visit our [website](#).

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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

**GTX00526-11 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX00526-11 CD45 antibody [HI30] (PerCP-Cy5.5).

Solid line : Primary antibody

Dashed line : PerCP-Cy5.5 mouse IgG1 isotype control

Antibody amount : 0.25 μ g



For full product information, images and publications, please visit our [website](#).