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InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

PerCP/Cyanine5.5 Anti-Human CD45 Antibody

Catalog Number:	106521, 106522
Size:	25 tests, 100 tests
Target Name:	CD45, LCA, T200
Regulatory Status:	RUO

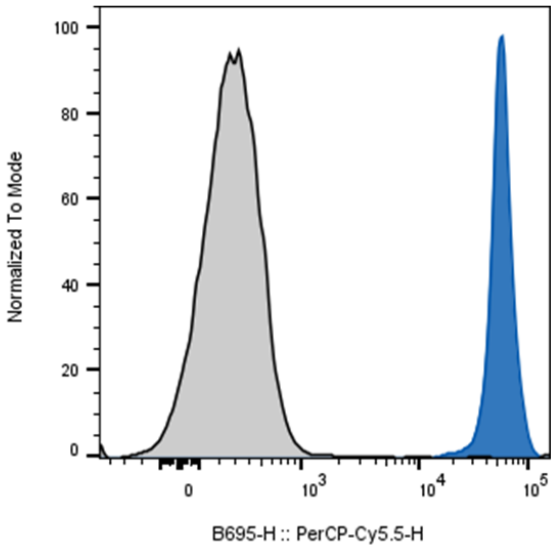
PRODUCT DETAILS

Clone:	HI30
Application:	Flow Cytometry
Reactivity:	Human, Chimpanzee
Format:	PerCP/Cyanine5.5
Isotype:	Mouse IgG1
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
Protein Concentration:	Supplied at a lot-specific concentration.
Storage&Handling:	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Recommended Usage:	For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. PerCP/Cyanine5.5 has an excitation max at 482 nm and an emission max at 695 nm.
Excitation Laser:	Blue Laser (488 nm)
RRID:	AB_3738735
GeneID:	5788

BACKGROUND INFORMATION

The CD45 antigen (CD stands for cluster of differentiation) is a protein which was originally called leukocyte common antigen. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. CD45 is a 180-240 kD single chain type I membrane glycoprotein also known as leukocyte common antigen (LCA) and T200. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation.

PRODUCT DATA



Human peripheral blood lymphocytes stained with either PerCP/Cyanine5.5 Anti-Human CD45 Clone HI30 (color-filled histogram) or an isotype control (gray histogram).

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