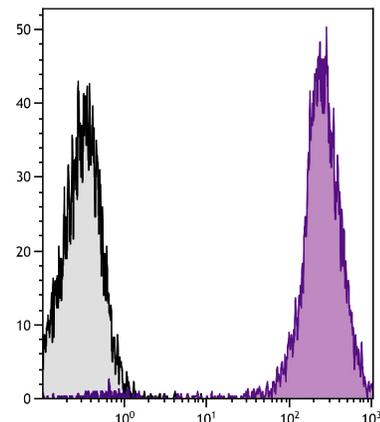




Mouse Anti-Human CD45

Cat. No.	Format	Size
9625-01	Purified (UNLB)	0.1 mg
9625-02	Fluorescein (FITC)	100 tests
9625-02S	Fluorescein (FITC)	25 tests
9625-09	R-phycoerythrin (PE)	100 tests
9625-09S	R-phycoerythrin (PE)	25 tests
9625-10	R-phycoerythrin-Texas Red® (PE/TXRD)	100 tests
9625-11	Allophycocyanin (APC)	100 tests
9625-11S	Allophycocyanin (APC)	25 tests
9625-13	Spectral Red® (SPRD)	100 tests
9625-15	Cyanine 5 (CY5)	100 tests
9625-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	100 tests
9625-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	100 tests
9625-27	Alexa Fluor® 700 (AF700)	100 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD45-PE/CY5.5 (SB Cat. No. 9625-16).

Overview

Clone	F10-89-4
Isotype	Mouse IgG _{2aκ}
Immunogen	Purified T cells from human lymph nodes
Specificity	Human/Horse CD45; Mr 180-220 kDa
Alternate Name(s)	LCA, T200, Ly5
Workshop	IV N819

Description

CD45, also known as the leukocyte common antigen (LCA), exists as four different isoforms (180, 190, 205, 220 kDa) that are generated by alternative splicing of three exons. LCA is found on all cells of hematopoietic origin, except erythrocytes and platelets. CD45 expression is required for T cell and B cell antigen receptor-mediated activation.

Applications

FC – Quality tested ^{1,5,9-11}
 IHC-FS – Reported in literature ¹⁻³
 ICC – Reported in literature ^{4,5}
 IP – Reported in literature ^{6,7}
 WB – Reported in literature ^{7,8}

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 μg/10 ⁶ cells
	FITC, PE, PE/TXRD, APC, SPRD, CY5, PE/CY5.5, PE/CY7, and AF700 conjugates	10 μL/10 ⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL		

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[®] (SPRD), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), R-phycoerythrin-Cyanine 7 (PE/CY7) and R-phycoerythrin-Texas Red[®] (PE/TXRD) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Cyanine 5 (CY5) and Alexa Fluor[®] 700 (AF700) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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Cy[®] is a registered trademark of GE Healthcare.

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