

MONOCLONAL ANTIBODY CD45

Cat. No.	Form	Quantity	Presentation
1575	PE-Cy5	100 tests	Liquid 2ml
1833	Phycoerythrin	100 tests	Liquid 2 ml

Clone Immu-19 2

Isotype IgG1 (mouse)

Immunogen FU 7.57 (EBV transformed cell line)

Hybridoma X63 Ag8.653 x Balb/c spleen cells

Specificity The molecular weights of the recognized antigen are 220, 205, 190, and 180 kDa.
Immu-19.2 reacts with a common determinant of all isoforms of the T200 LCA structure present on the surface of lymphocytes, monocytes and granulocytes.

Applications Leucocyte gating in flow cytometry. Pan leucocyte marker.
Studies have shown that the Immu-19-2 antibody is useful in the immunophenotyping of lymphoma and leukemia.

Buffer 2 mg/ml bovine serum albumin in phosphate buffered saline containing 0.1% sodium azide.

Storage The conjugated form should not be frozen and should be stored in the dark at 2 - 8°C.

Recommended Procedures Flow cytometry :
Liquid form: 20 µl/5x10⁵ cells/test or 100 µl whole blood.
Note: PE-Cy5 conjugates are recommended for use only on flow cytometers equipped with a 675 nm band pass filter in front of the third fluorescence detector.

References

- Schwinzer, R., "Cluster report CD45/CD45R" in Leukocyte Typing IV White cell differentiation antigens, W. Knapp et al Eds, 1989, Oxford University Press, p 628.
- Clark, E.A., Ledbetter, J.A., "Leukocyte cell surface enzymology: CD45 (LCA, T200) is a protein tyrosine phosphatase", 1989, Immunol Today, **10** (7), 225-228
- Borowitz, M J, Guenther, K.L., Shults, K E., Stelzer, G.T, "Immunophenotyping of acute leukemia by flow cytometric analysis Use of CD45 and right-angle light scatter to gate on leukemic blasts in three-color analysis", 1993, Am J Clin Pathol, **100**(5), 534-540

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