

**NEW**

THE SHAPE OF EXCELLENT  
LABORATORY PERFORMANCE

## CD45/PerCP | Flow Cytometry



- An essential marker for differentiation of intensity of CD45 expression on cells<sup>1)</sup>
- Dako now has the four flouochrome combinations FITC – RPE – PerCP – APC
- Applicable for use on most cytometry platforms
- Recommended for use in all multicolor combinations for Lymphoma/Leukemia disease areas<sup>2)</sup>
- CD45/PerCP as drop in reagent completes the MultiMix™ reagent portfolio for immunophenotyping of Leukemia and Lymphoma

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To maximize quality

## CD45/PerCP reagent for Flow Cytometry

CD45/PerCP is intended for use in the identification of cells expressing CD45. CD45 is one of the most abundant leucocyte cell surface glycoproteins and is expressed exclusively on cells of the haematopoietic system and their progenitors<sup>1)</sup>. In flow cytometry, anti-CD45, together with a panel of other antibodies, is considered essential for the initial evaluation of chronic disorders and acute leukemias<sup>2)</sup>.

CD45 is a single chain type I transmembrane typically expressed at high levels on nucleated cells of haematopoietic origin<sup>3)</sup>. Thus CD45 is present on T and B lymphocytes, granulocytes, monocytes and macrophages, with the exception of maturing erythrocytes and megakaryocytes<sup>1)</sup>.

Besides CD45/PerCP, the portfolio also now includes CD3/PerCP and IgG1/PerCP.

### Ordering Information:

Product	Volume	Number of tests/vial	Code
CD45/PerCP	1 ml	100 tests	PR701
CD3/PerCP	1 ml	100 tests	PR702
IgG1/PerCP	1 ml	100 tests	X7909

EU regulatory status: CE-IVD (complies with Directive 98/79/EC of the European Parliament and of the Council on *in vitro* diagnostic medical devices).

- 1) Leong AS-Y, Cooper K, Leong FJW – M. Manual of diagnostic antibodies for immunohistology, London: Oxford University Press. 1999, p 95-8.
- 2) Braylan RC, Orfao A, Borowitz MJ, Davis BH. Optimal number of reagents required to evaluate hematolymphoid neoplasia: Results on an international consensus meeting. Cytometry 2001;46:23-7.
- 3) Sewell QA, Cooley MA, Hegen M. NL6. CD45 workshop panel report. In: Kishimoto T, Kikutani H, von dem Borne ELA, Goyert SM, Mason DY, Miyasaka M, et al., editors. Leucocyte typing VI. White cell differentiation antigens. Proceedings of the 6th International Workshop and Conference; 1996 Nov 10-14; Kobe, Japan. New York, London: Garland Publishing Inc.; 1997. p. 499-502.

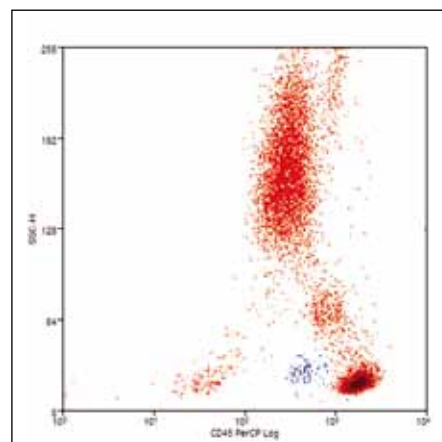


Figure 1: PR701 mouse Anti-Human CD45/PerCP, Clone 2D1, tested on 100  $\mu$ L normal human peripheral whole blood. The blue colored cells in the scatter plot represent the basophil population.

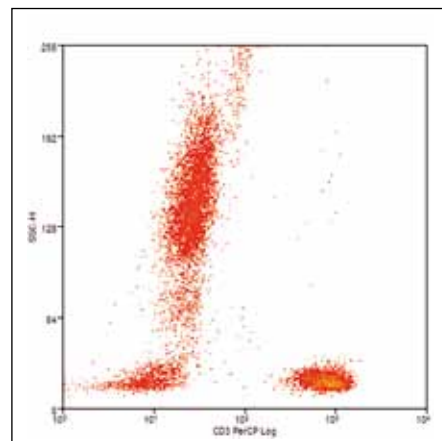


Figure 2: PR702 mouse Anti-Human CD3/PerCP, Clone UCHT1, tested on 100  $\mu$ L normal human peripheral whole blood.



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