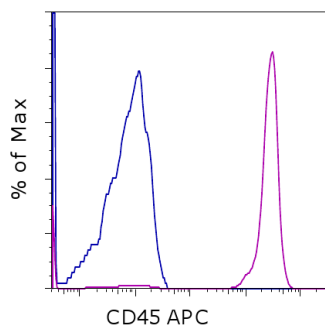


## Anti-Human CD45 APC

**Catalog Number:** 17-0459

**Also known as:** Leukocyte Common Antigen, LCA, Ly-5

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD45 APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Human CD45 APC

**Catalog Number:** 17-0459

**Clone:** HI30

**Concentration:** 5  $\mu$ L (0.06  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** IV N816



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.



**Batch Code:** Refer to vial



**Use By:** Refer to vial



**Contains sodium azide**

### Description

The HI30 monoclonal antibody reacts with all isoforms of human CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding circulating erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

### Applications Reported

The HI30 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HI30 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5  $\mu$ L (0.06  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Ninomiya M, Abe A, Katsumi A, Xu J, Ito M, Arai F, Suda T, Ito M, Kiyoi H, Kinoshita T, Naoe T. Homing, proliferation and survival sites of human leukemia cells in vivo in immunodeficient mice. *Leukemia*. 2007 Jan;21(1):136-42. (HI30, IF frozen)

Bouma-ter Steege JC, Baeten CI, Thijssen VL, Satijn SA, Verhoeven IC, Hillen HF, Wagstaff J, Griffioen AW. Angiogenic profile of breast carcinoma determines leukocyte infiltration. *Clin Cancer Res*. 2004 Nov 1;10(21):7171-8. (HI30, IHC frozen)

Knapp, W., B. Dorken, et al. eds. (1989). *Leucocyte Typing IV: White Cell Differentiation Antigens*. Oxford University Press. New York.

### Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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