

---

## Anti-Human CD45 Purified


**Catalog Number:** 14-9457

**Also known as:** LCA

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

---

### Product Information

 **Contents:** Anti-Human CD45 Purified  
**Catalog Number:** 14-9457  
**Clone:** CD45-2B11  
**Concentration:** 0.5 mg/mL  
**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

---

### Description

The CD45-2B11 monoclonal antibody reacts with 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 lymphocyte proliferation and differentiation. The 2B11 antibody is useful for recognition of normal and neoplastic lymphoid cells.

### Applications Reported

This CD45-2B11 antibody has been reported for use in flow cytometric analysis, immunoblotting, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

### Applications Tested

This CD45-2B11 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded tissue using high pH antigen retrieval. This can be used at less than or equal to 10 ug/mL. This CD45-2B11 antibody has also been tested by western blot at 5 ug/mL and by flow cytometric analysis on human peripheral blood cells at 0.25 ug/test. A test is defined as the amount (ug)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Khalidi HS, Singleton TP, Weiss SW. Inflammatory malignant fibrous histiocytoma: distinction from Hodgkin's disease and non-Hodgkin's lymphoma by a panel of leukocyte markers. *Mod Pathol.* 1997 May;10(5):438-42.

Warnke RA, Gatter KC, Falini B, Hildreth P, Woolston RE, Pulford K, Cordell JL, Cohen B, De Wolf-Peeters C, Mason DY. Diagnosis of human lymphoma with monoclonal antileukocyte antibodies. *The New England Journal of Medicine.* 1983, 309(21):1275-81.

### Related Products

00-4954 20X TBS Wash Buffer for IHC/ICC  
00-4956 IHC Antigen Retrieval Solution – High pH (10X)  
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

---

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) •  
[info@ebioscience.com](mailto:info@ebioscience.com)