

CD 45 (LCA) clone PD7/26/16 + 2B11

Instructions For Use

Specification:

This antibody is designed for the specific localization of CD45 in formalin-fixed, paraffin-embedded tissue sections. The CD45 antigen (leukocyte common antigen) is a family of five or more high molecular weight glycoproteins present on the surface of the majority of the human leukocytes (including lymphocytes, monocytes and eosinophils) but absent from erythrocytes and platelets.

Availability:

| Catalog No. | Contents | Volume |
|--------------|-------------|--------------------|
| ILM30511-C01 | CD 45 (LCA) | 0,1 ml concentrate |
| ILM30511-C05 | CD 45 (LCA) | 0,5 ml concentrate |
| ILM30511-C1 | CD 45 (LCA) | 1,0 ml concentrate |

Intended use: For Research Use Only

Clone: PD7/26/16 + 2B11

Species of origin: Mouse

Isotype: IgG1

Control Tissue: B cell lymphoma

Staining: Membranous

Presentation:

Mouse Monoclonal antibody in TBS, pH 7.6, containing 1% BSA and 0.09% sodium azide.

Protein concentration: 10-15mg/ml.

Application and suggested dilutions:

Staining of formalin-fixed tissues requires no special pre-treatment.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:300)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Mason, DY. A new look at lymphoma immunohistology. *Am J Pathol* 1987; 128:1-4.
- 2) Hall, PA et al. Paraffin section immunohistochemistry. I. Non-Hodgkin's lymphoma. *Histopathology* 1988; 13:149-160.
- 3) Kurtin, PJ & Pinkus, GS. Leukocyte common antigen--a diagnostic discriminant between hematopoietic and nonhematopoietic neoplasms in paraffin sections using monoclonal antibodies: correlation with immunologic studies and ultrastructural localization. *Hum Path* 1985; 16:353-365.
- 4) Maluf, HM et al. Fibroma and giant cell tumor of tendon sheath: a comparative histological and immunohistological study. *Mod Pathol* 1995; 8:155-9.
- 5) Caballero, T et al. Intraepithelial and lamina propria leucocyte subsets in inflammatory bowel disease: an immunohistochemical study of colon and rectal biopsy specimens. *J Clin Pathol* 1995; 48:743-8.
- 6) Vasef, MA et al. Immunophenotype of Reed-Sternberg and Hodgkin's cells in sequential biopsy specimens of Hodgkin's disease: a paraffin-section immunohistochemical study using the heat-induced epitope retrieval method. *Am J Clin Pathol* 1997; 108:54-9.
- 7) Saxena, A et al. A combination of abnormal immunoarchitecture and reproducible clonal bands identifies the biologic nature of cutaneous B-cell infiltrates. *Am J Clin Pathol* 1999; 112:495-512.
- 8) Kraus, MD et al. Lymphocyte predominance Hodgkin's disease: the use of bcl-6 and CD57 in diagnosis and differential diagnosis. *Am J Surg Pathol* 2000; 24:1068-78.