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Bhubaneswar, Odisha - 751024, INDIA

36-1619: Monoclonal Antibody to CD45 / LCA (Leucocyte Marker)(2B11 + PD7/26)

Clone Name : Monoclonal

Clone Name : 2B11 + PD7/26

Application : FACS,WB,IHC

Reactivity: Human
Gene: PTPRC
Gene ID: 5788
Uniprot ID: P08575
Format: Purified
Alternative Name: PTPRC,CD45

Isotype: Mouse IgG1, kappa + Mouse IgG1, kappa

Immunogen Information: Isolated neoplastic cells from T cell lymphoma (2B11); and human peripheral blood lymphocytes

maintained in T cell growth factor (PD7/26)

Description

Recognizes the CD45 leukocyte common antigen (LCA) family which is comprised of at least four isoforms of membrane glycoproteins (220, 205, 190, 180kDa) expressed on hematopoietic cell lines but absent on non-hematopoietic cell lines, normal and malignant non-hematopoietic tissues. The intracellular portions of these molecules have protein phosphatase activity and are involved in regulation of transmembrane signals. Antibody to CD45 is useful in differential diagnosis of lymphoid tumors from non-hematopoietic undifferentiated neoplasms. A positive result with this MAb is highly indicative of lymphoid or myeloid origin. Certain types of lymphoid neoplasms may lack CD45 (Hodgkin lymphoma, some T-cell lymphomas, and some leukemias) so its absence does not rule out a hematolymphoid tumor. This antibody is expressed almost exclusively by cells of hematopoietic lineage and is present in most benign and malignant lymphocytes as well as plasma cell precursors.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

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Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

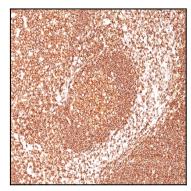
Application Note

Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

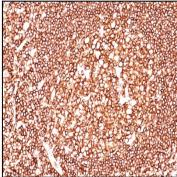


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Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RB Ab (2B11+PD7/26).



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