

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

Clonality :	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

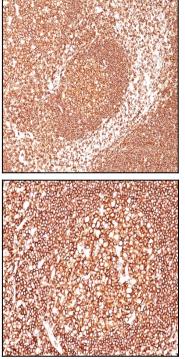
Amount :	100 μg
Purification :	Affinity Chromatography
Content :	100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

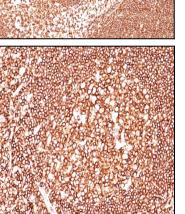
Flow Cytometry (1-2ug/million cells); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

w abeomics

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com



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



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