CD45/PTPRC Monoclonal Antibody

catalog number: **AN200168P**

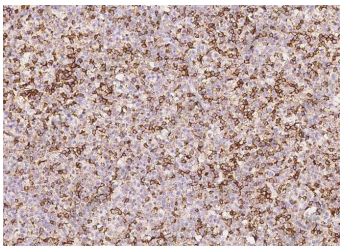
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

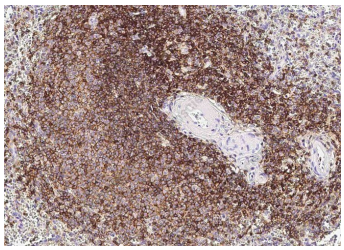
Reactivity	Human
Immunogen	A synthetic peptide corresponding to the center region of the Human CD45/PTPRC
Host	Mouse
Isotype	Mouse IgG1
Clone	A1020
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	0.2 μm filtered solution in PBS.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC-P	1:1000-1:10000

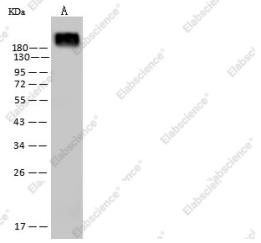
Data



Immunohistochemistry of paraffin-embedded human lymphoma using CD45/PTPRC Monoclonal Antibody at dilution of 1:5000.



Immunohistochemistry of paraffin-embedded human spleen using CD45/PTPRC Monoclonal Antibody at dilution of 1:5000.



Western Blot with PTPRC Monoclonal Antibody at dilution of 1:500 dilution. Lane A: Jurkat Whole Cell Lysate, Lane B: Daudi Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:200 kDa

Calculated-MW:147 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Background

CD45, previously called LCA (leukocyte common antigen), T200, or Ly5 in mice, is member C of the class 1 (receptor-like) protein tyrosine phosphatase family (PTPRC). It is a variably glycosylated 180-220 kDa transmembrane protein that is abundantly expressed on all nucleated cells of hematopoietic origin. Multiple splicing isoforms of exon 4 (A), 5 (B), and 6 (C) are expressed according to cell type, developmental stage and antigenic exposure. The longest form, CD45RABC (called B220 in mouse) is expressed on B lymphocytes, The shortest form, CD45R0, lacking exons 4, 5 and 6 which encode aa 34-194, is expressed on memory cells, while intermediate sizes are expressed on other T