

## CD45/Ptprc Monoclonal Antibody

**catalog number: AN200170P**

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

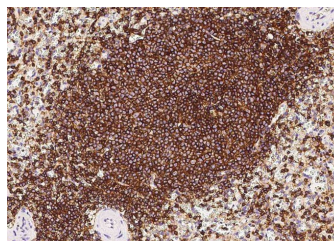
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide corresponding to the C-terminus of the Human CD45/Ptprc
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	6C11
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

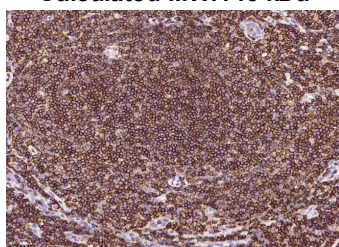
<b>WB</b>	1:500-1:2000
<b>IHC-P</b>	1:30-1:100

### Data



Western Blot with PTPRC Monoclonal Antibody at dilution of 1:500. Lane A: Jurkat Whole Cell Lysate, Lysates/proteins at 30 µg per lane. Immunohistochemistry of paraffin-embedded human spleen using CD45/Ptprc Monoclonal Antibody at dilution of 1:60.

**Observed-MW:185 kDa**  
**Calculated-MW:143 kDa**



Immunohistochemistry of paraffin-embedded human lymphoma using CD45/Ptprc Monoclonal Antibody at dilution of 1:60.

### Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	Ice bag

### Background

### For Research Use Only

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Rev. V1.0

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 cells.