

## Monoclonal Antibody to CD45RA (p220)

<b>Alternate names:</b>	CD45R, CD45RA, CD45RB, CD45RO, L-CA, Leukocyte common antigen, PTPRC, T200
<b>Catalog No.:</b>	V73B1-0.5
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml V73B1-0.5: 0.5 mg
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	73B1
<b>Applications:</b>	Suitable for flow cytometry, immunohistochemistry and cell function. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	CD45 proteins are expressed at high levels on all cells of hematopoietic origin, except erythrocytes. CD45 is a major component of the glycocalyx. Expression is high on lymphocytes with 10% of their surface area comprising CD45. Expression is abundant but is lower on other leukocytes. Expression of isoforms differs on differentiated subsets of hematopoietic cells like CD45RA on naive/resting T cells and on medullary thymocytes, and CD45RO on memory/activated T cells and on cortical thymocytes. The isoform pattern can change in response to cytokines. Thus the expression patterns for a given population are generalities and are not absolute. Multiple isoforms may occur on a single cell type. 73B1 immunoprecipitates a 220 kD peptide. It is predicted to recognize the orthologue of human CD45RA. This isoform is highly expressed on B cells and naive/resting T cells. This antibody detects CD45RA (p220) in sheep. It labels 34 % PBMC.
<b>Storage:</b>	Store at 2 - 8 °C. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.
<b>General Readings:</b>	Mackay, C.R., et al. Naive and memory T cells show distinct pathways of lymphocyte recirculation