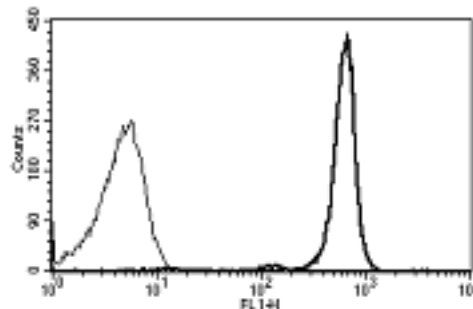


## PTPRC

### Mouse Anti-Human CD45 (Clone B-A11) mAb, Azide Free

<b>Catalog No.</b>	CDM187	<b>Quantity:</b>	200 µg
<b>Alternate Names:</b>	Receptor-type tyrosine-protein phosphatase C, Leukocyte common antigen, L-CA, T200		
<b>Description:</b>	The mouse monoclonal antibody recognizes human CD45, a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. CD45 is a receptor type PTP, with an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. CD45 is an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. CD45 also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling.		
<b>UniProt ID:</b>	P08575		
<b>Gene ID:</b>	5788		
<b>Concentration:</b>	1.0 mg/ml		
<b>Specificity:</b>	Recognizes the Leukocyte Common Antigen (LCA) with different isoforms of 180-190-205-220 kDa.		
<b>Isotype:</b>	Mouse IgG1		
<b>Immunogen:</b>	Thymus cells and Jurkat cell line.		
<b>Clone:</b>	B-A11		
<b>Formulation:</b>	Sterile-filtered PBS, carrier and preservative free.		
<b>Applications:</b>	Flow Cytometry		
<b>Storage &amp; Stability:</b>	Stable at 2-8°C for 1 year. For longer storage, freeze in aliquots at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

A typical staining pattern with the B-A11 monoclonal antibody of lymphocytes



**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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