

CD45 Mouse mAb

Cat No: HR1AM2157

For research use only

Overview

Product Name	CD45 Mouse mAb
Source	Mouse
Applications	WB
Species Reactivity	Human
Recommended Dilutions	WB 1:2,000 IHC 1:200
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	147kDa
GeneID?Human?	5788
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	B220, CD45R, GP180, L CA, LCA, Leukocyte common antigen, LY5, PTPRC, RPTPC, T200
Background	CD45 is a family of single chain transmembraneous glycoproteins consisting of at least four isoforms which share a common large intracellular domain. Their extracellular domains are heavily glycosylated. The different isoforms are produced by alternative messenger RNA splicing of three exons of a single gene on chromosome 1. CD45 is expressed on cells of the human hematopoietic lineage (including hematopoietic stem cells) with the exception of mature red cells. It is not detected on differentiated cells of other tissues. It is likely that CD45 plays an important role in signal transduction, inhibition or upregulation of various immunological functions. Antibodies recognising a common epitope on all of the isoforms are termed CD45.