



ELK Biotechnology

CD45 Mouse mAb

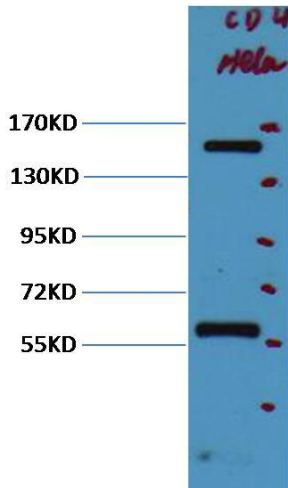
Catalog NO.: EM1046

For research use only.

Overview

Product name	CD45 Mouse Monoclonal antibody
Source	Mouse
Applications	WB
Species reactivity	Human
Recommended dilutions	WesternBlot:1/2000 Immunohistochemistry:1/200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
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	1 mg/ml
Observed band	147kDa
GeneID (Human)	5788
Human Swiss-Prot No.	P08575
Cellular localization	Membrane
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. 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.



Western blot analysis of HeLa with CD45 mAb diluted at:2000.