



## CD45 Mouse Monoclonal Antibody

E12-066

**Catalog Number:** E12-066**Amount:** 100µg/100µl**Clone Number:** 12A9

**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.

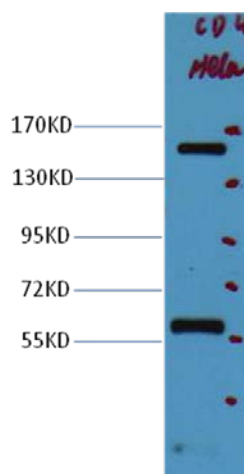
**Form of Antibody:** Mouse IgG1 in phosphate buffered saline (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Specificity/Sensitivity:** The CD45 Mouse Monoclonal antibody detects endogenous CD45 proteins. (~147KD).

**Reactivity:** Human

**Applications:** WB: 1:1,000-2,000      IHC: 1:200



Western blot analysis of HeLa cell lysate with CD45 mAb diluted at 1:2,000.

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