

## CD45 Mouse Monoclonal Antibody(12A9)

Catalog	TDY066C	TDY066F	Tel: 010-82908854
Quantity	50 $\mu$ L	100 $\mu$ L	Free: 400-0620-621
			Web: www.tdybio.com

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	H	~147KD	IgG1

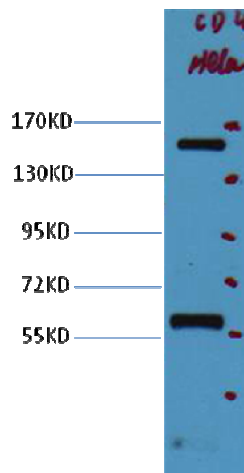
**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.  
Store at **-20°C**. **Do not aliquot the antibody.**

**Recommended dilutions:** WB: 1:2,000 IHC: 1:200

**Optimal dilutions should be determined by the end user.**

**Specificity:** The CD45 Mouse Monoclonal antibody detects endogenous CD45 proteins.

**Background:** CD45 is a family of single chain transmembrane 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.



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