

## TERT monoclonal antibody

Catalog: LM1562

Host: Mouse

Reactivity: Human

### BackGround:

Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, encoded by this gene, and an RNA component which serves as a template for the telomere repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed in postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomerase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks. Alternatively spliced variants encoding different isoforms of telomerase reverse transcriptase have been identified; the full-length sequence of some variants has not been determined. Alternative splicing at this locus is thought to be one mechanism of regulation of telomerase activity.

### Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 127 kDa

### Swiss-Prot:

O14746

### Purification&Purity:

Purified antibody in PBS with 0.05% sodium azide

### Applications:

WB: 1:500 - 1:2000

IHC/ICC: 1:50 - 1:200

FCM: 1/200 - 1/400

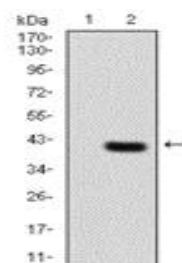
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

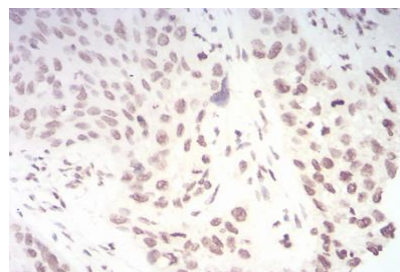
### Specificity:

TERT monoclonal antibody detects endogenous levels of TERT protein.

### DATA:



Western blot analysis using TERT mAb against HEK293 (1) and TERT (AA: 1029-1132)-hIgGfC transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using TERT mouse mAb with DAB staining.

### Note:

For research use only, not for use in diagnostic procedure.

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