

For Research Use Only.
Not for use in diagnostic procedures.

Anti-TERT (Human) mAb

CODE No. M216-3

CLONALITY Monoclonal
CLONE 10E9-2
ISOTYPE Mouse IgG2b κ
QUANTITY 100 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
FORMULATION PBS containing 50% Glycerol (pH 7.2). No preservative is contained.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at -20°C .

APPLICATION-CONFIRMED

Western blotting 0.5-10 $\mu\text{g/mL}$

APPLICATION-UNDER EVALUATION

Chromatin Immunoprecipitation (ChIP) Can be used.

APPLICATIONS-REPORTED

Immunoprecipitation Reference 1)

Immunocytochemistry Reference 1)

SPECIES CROSS REACTIVITY on Western blotting

Species	Human	Mouse	Rat	Hamster
Sample	TERT/293T transfectant	Not tested	Not tested	Not tested
Reactivity	+			

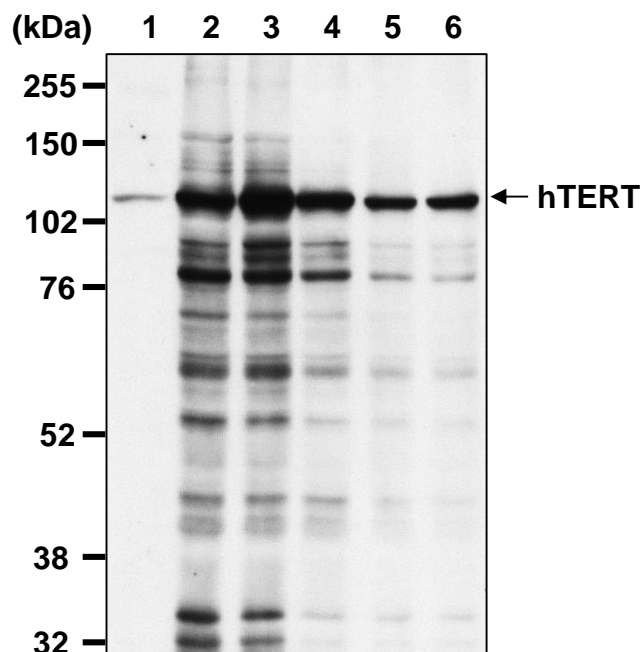
Entrez Gene ID 7015 (Human)

REFERENCES
1) Maida, Y., *et al.*, *Mol. Cell Biol.* **36**, 1248-1259 (2016) [IP]
2) Maida, Y., *et al.*, *Mol. Cell Biol.* **34**, 1576-1593 (2014) [WB, IP, IC, ChIP]

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SDS-PAGE & Western blotting



Western blotting analysis of human TERT

Cells: FLAG-tagged hTERT/293T (50 μ g/lane)

1st Ab: Anti-FLAG M2 Monoclonal Antibody (Sigma) (Lane 1)

Anti-TERT (Human) mAb (M216-3) (Lane 2-6)

2nd Ab: Anti-mouse IgG-HRP, 1:5,000

Expose time: 30 sec

Lane 1: Anti-FLAG M2 Monoclonal Antibody, 1:500

Lane 2: Anti-TERT (Human) mAb , 1:100

Lane 3: Anti-TERT (Human) mAb , 1:200

Lane 4: Anti-TERT (Human) mAb , 1:500

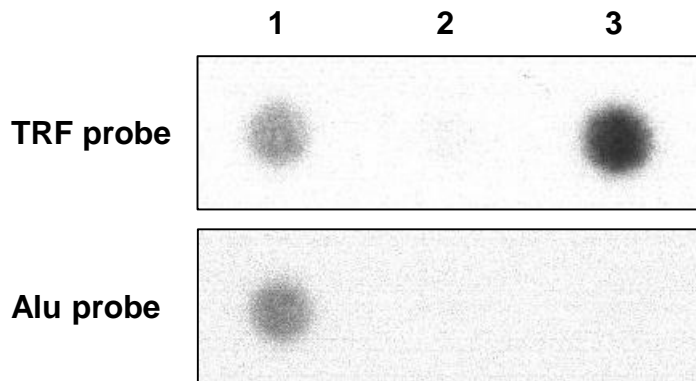
Lane 5: Anti-TERT (Human) mAb , 1:1,000

Lane 6: Anti-TERT (Human) mAb , 1:2,000

Data were kindly provided by Dr. Kenkichi Masutomi.

(Division of Cancer Stem Cell, National Cancer Center Research Institute)

Chromatin Immunoprecipitation (under evaluation)



Analysis of immunoprecipitated DNA with dot blotting using telomere restriction fragment (TRF) probe

1. Input
2. Isotype control
3. Anti-TERT (Human) mAb (M216-3)

Cells: HeLa (1×10^7 cells)

Antibody: Anti-TERT (Human) mAb (M216-3; clone 10E9-2), 20 μ g/sample

Probe: Alu 5'-CGGAGTCTCGCTCTGTCGCCAGGCTGGAGTGCAGTGGCGCGA-3'

TRF 5'-CCCTAACCTAACCTAA-3'

Data were kindly provided by Dr. Kenkichi Masutomi.
(Division of Cancer Stem Cell, National Cancer Center Research Institute)