

**NEW!!**

# Anti-TERT (Human) mAb

Clone: **10E9-2****MBL**

For Research Use Only

- TERT would be a newly target for drug discovery.
- Can be used for Chromatin Immunoprecipitation.

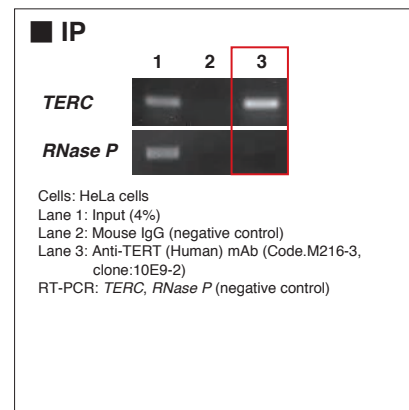
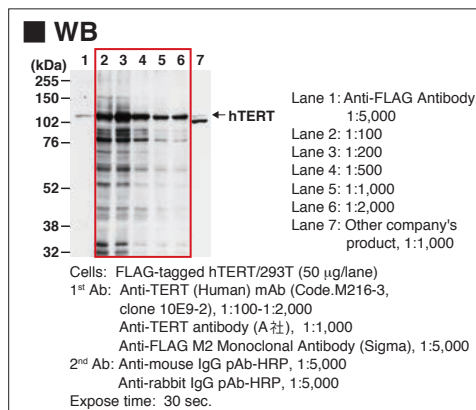
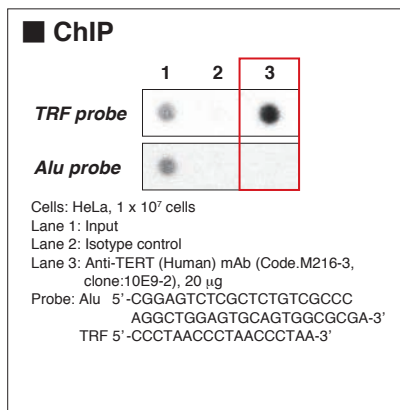
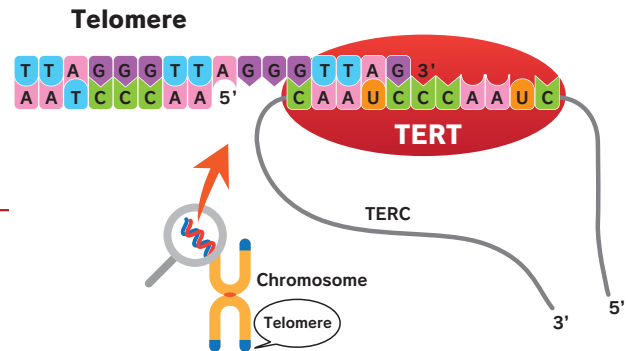
## What is TERT?

Telomerase is an enzyme that extends telomere-specific repeat sequences and is composed mainly of template RNA (TERC) and a catalytic subunit with reverse transcriptase activity (TERT). In human, while telomerase activity is hardly detected in somatic cell, it is high in continuously dividing cells including germ cell and cancer cell.

In particular, it is reported that 80-90% of cancer cells express telomerase. Therefore, the regulation of telomerase activity is considered to be important in aging research and drug discovery in cancer.

Recently, it is suggested that TERT could be involved in maintenance of differentiation potential of stem cells through any system other than telomere maintenance.

And research about relationship between TERT and regeneration ability in cancer stem cells are becoming increasingly fascinating.



Data is provided courtesy of Kenkichi Masutomi, Chief, Division of Cancer Stem Cell, National Cancer Center.

## Reference

1) Maida Y *et al.* Involvement of telomerase reverse transcriptase in heterochromatin maintenance. *Mol Cell Biol.* 34, 1576-93 (2014) (PMID: 24550003)

Code.	Product name	Clone	Isotype	Application	Content
M216-3	Anti-TERT (Human) mAb	10E9-2	IgG2b	WB,ChIP*,IP*,IC*	100 µg/100 µL

WB: Western Blotting, ChIP: Chromatin Immunoprecipitation, IC: Immunocytochemistry, IP: Immunoprecipitation,

\*: Reported in the literature (unconfirmed by MBL). Refer to the data sheet for details.

## Related products

### Ab-Match Assembly Human TERT Kit

Assay systems that can quantify TERT are also available.

The Ab-Match series is a system that allows customers to construct and customize sandwich ELISAs (swELISA). Please take this opportunity to try this product.

Code.	Product name	Content
5340	Ab-Match Assembly Human TERT Kit	96 wells
5310	Ab-Match Universal Kit	96 wells

\* The Ab-Match Universal Kit (Code No.5310) must be purchased separately to perform assay measurements.



Ab-Match Assembly Kit



Ab-Match Universal Kit

Popular items on sale