

TERT | Validation File

TARGET Telomere reverse transcriptase (TERT)

CLONE NAME GRETA490C

DESCRIPTION Rat monoclonal

ANTIGEN USED HIS-MBP-mTelomerase aa330-595

ISOTYPE IgG1

SPECIES REACTIVITY human and mouse

LOCALIZATION nuclear

POSITIVE CONTROL

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze



Recommended



Inconclusive



Not Recommended



Not Tested

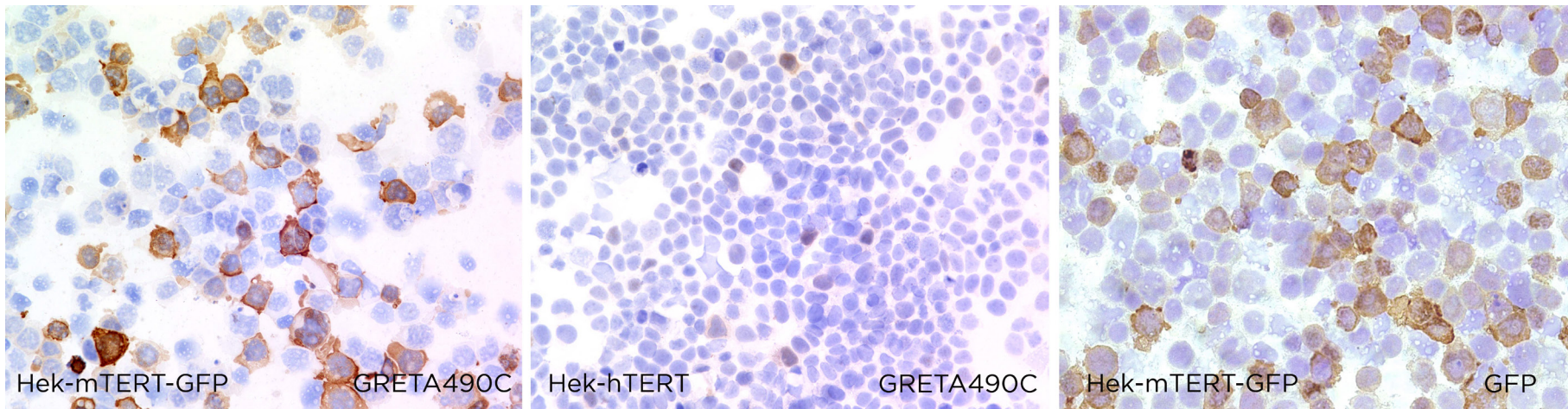
APPLICATIONS

● | ICC | Immunocytochemistry

GRETA490C is able to detect human and mouse TERT protein in immunocytochemistry

DILUTION neat supernatant

To confirm that GRETA490C mAb recognizes human and mouse TERT protein, immunocytochemistry on frozen cytospin preparations of GFP-tagged mTERT and hTERT expressed in HEK293T was performed. Anti-GFP was used as positive control.



● | WB | **Western Blotting**

GRETA490C mAb is able to detect human and mouse TERT protein by WB.

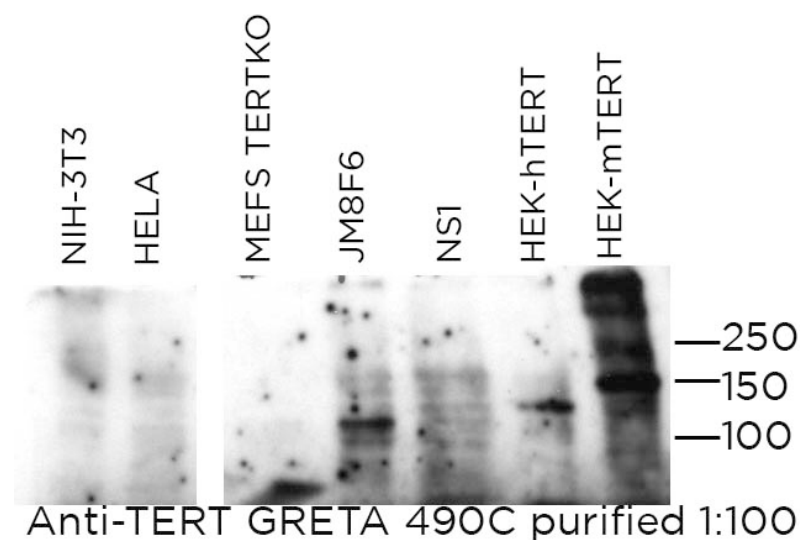
DILUTION 1:100 purified mAb

Predicted molecular weight: **124kDa**

Observed molecular weight: **124kDa**

LANES

Lane 1 NIH-3T3	(100ug) (-)
Lane 2 HeLa	(100ug) (-)
Lane 3 Mefs TERTko	(100ug) (-)
Lane 4 JM8F6	(100ug) (+)
Lane 5 NS1	(100ug) (-)
Lane 6 Hek-hTERT	(20ug) (+)
Lane 7 Hek-mTERT-GFP	(20ug) (+)

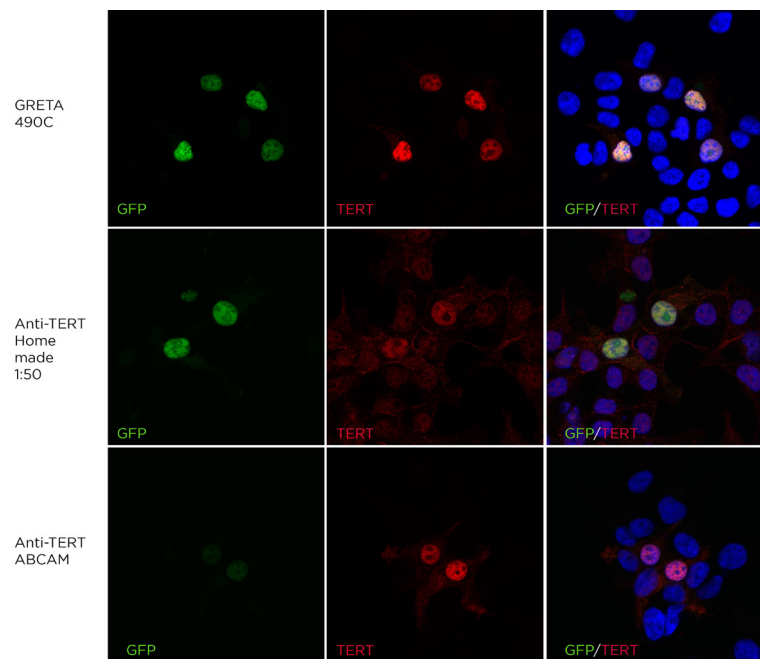


● | IF | **Immunofluorescence (paraffin)**

GRETA490C mAb can be used to detect mouse TERT over-expression by immunofluorescence

TISSUE SAMPLE IPS expressing TERT-GFP

DILUTION 1:50 purified mAb



● | IHC-F | **Immunohistochemistry (frozen)** Not tested

● | IHC-P | **Immunohistochemistry (paraffin)** Not tested

● | FC | **Flow Cytometry** Not tested

● | IP | **Immunoprecipitation** Not Tested