

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11292 - Goat Anti-TERT (aa597-611) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** EST2, hEST2, TCS1, telomerase catalytic subunit, telomerase reverse transcriptase, telomerase-associated protein 2, TP2, TRT, TERT

**Official Symbol:** TERT

**Accession Number(s):** NP\_937983.2; NP\_001180305.1

**Human GeneID(s):** [7015](#)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_937983.2; (NP\_001180305.1).

### Immunogen

Peptide with sequence C-QLRELSEAEVRQHRE, from the internal region of the protein sequence according to NP\_937983.2; NP\_001180305.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Preliminary testing showed a band at approx 125kDa in lysates of cell lines A549 and CaCo-2 after 1µg/ml antibody staining (calculated MW of 127kDa according to NP\_937983.2). Primary incubation 1 hour at room temperature.

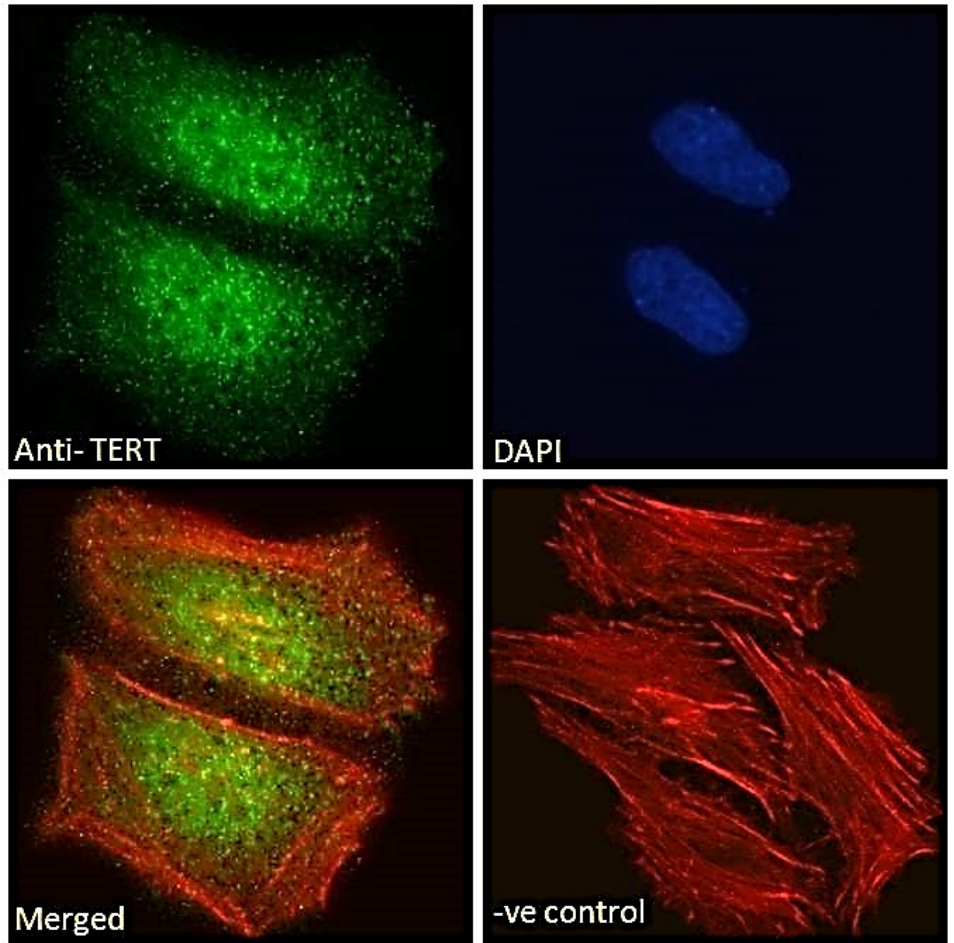
**Immunofluorescence:** Strong expression of the protein seen in the nuclei and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

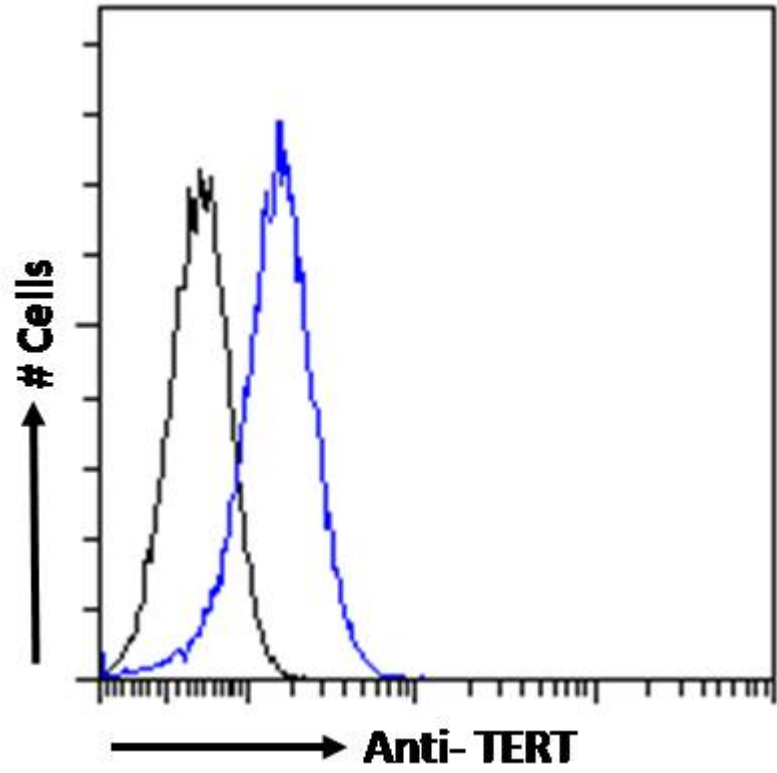
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB11292 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11292 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.