

Human Telomerase Reverse Transcriptase (TERT) ELISA Kit | TERT elisa kit

Human Telomerase Reverse Transcriptase (TERT) ELISA Kit

CATALOG #
AAA185619

REACTIVITY
Human

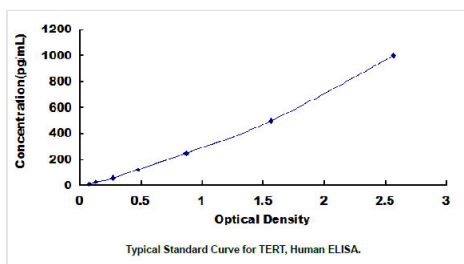
PRODUCT SYNONYMS

Telomerase Reverse Transcriptase (TERT); Human Telomerase Reverse Transcriptase (TERT) ELISA Kit; EST2; TCS1; TP2; TRT; hEST2; Telomerase catalytic subunit; Telomerase-associated protein 2; TERT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TERT. No significant cross-reactivity or interference between TERT and analogues was observed.
Sequence Length	1191
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TERT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TERT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TERT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TERT in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TERT. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TERT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TERT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TERT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	147907344
NCBI GeneID	373635
NCBI Accession #	NP_001079102.1
NCBI GenBank Nucleotide #	NM_001085633.1
NCBI Official Full Name	telomerase reverse transcriptase
NCBI Official Synonym Full Names	telomerase reverse transcriptase L homeolog
NCBI Official Symbol	tert.L
NCBI Official Synonym Symbols	tp2; trt; est2; tcs1; tert; xTERT; tert-A; telomerase
NCBI Protein Information	telomerase reverse transcriptase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/telomerase-reverse-transcriptase-tert/185619>