

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

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CATALOG #
AAA137845

REACTIVITY
Human

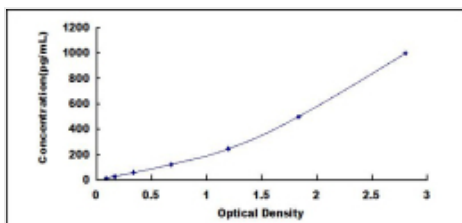
PRODUCT SYNONYMS

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 Telomerase Reverse Transcriptase (TERT). No significant cross-reactivity or interference between Telomerase Reverse Transcriptase (TERT) and analogues was observed.
Sequence Length	1191
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.0pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Telomerase Reverse Transcriptase (TERT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Telomerase Reverse Transcriptase (TERT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Telomerase Reverse Transcriptase (TERT). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Telomerase Reverse Transcriptase (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 Telomerase Reverse Transcriptase (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 Telomerase Reverse Transcriptase (TERT) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TERT elisa kit	Enzyme & Kinase; Tumor immunity; Developmental science; Genetic science

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<
NCBI Official Symbol	tert
NCBI Official Synonym Symbols	tp2; trt; est2; tcs1; 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/telomerase-reverse-transcriptase-tert/137845>