

Human Telomerase Reverse Transcriptase ELISA Kit | TERT elisa kit

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CATALOG #
AAA246861

REACTIVITY
Human

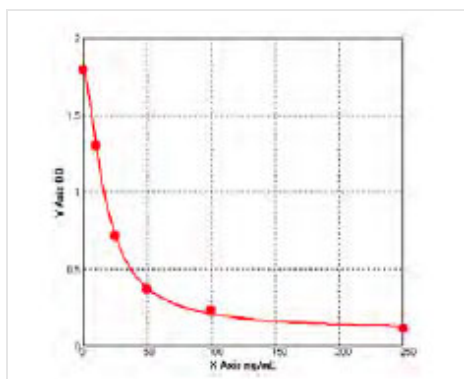
PRODUCT SYNONYMS

Telomerase Reverse Transcriptase; Human Telomerase Reverse Transcriptase ELISA Kit; TERT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TERT elisa kit

Intended Uses: This TERT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TERT. This ELISA kit for research use only!

Principle of the Assay: TERT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TERT antibody and an TERT-HRP conjugate. The assay sample and buffer are incubated together with TERT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TERT concentration since TERT from samples and TERT-HRP conjugate compete for the anti-TERT antibody binding site. Since the number of sites is limited, as more sites are occupied by TERT from the sample, fewer sites are left to bind TERT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TERT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226780
NCBI GeneID	7015
Molecular Weight	88,965 Da
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; CMM9; EST2; TCS1; hTRT; DKCA2; DKCB4; hEST2; PFBMFT1
NCBI Protein Information	telomerase reverse transcriptase; telomerase catalytic subunit; telomerase-associated protein 2
UniProt Protein Name	Telomerase reverse transcriptase
UniProt Gene Name	TERT
UniProt Synonym Gene Names	EST2; TCS1; TRT; TP2
UniProt Entry Name	TERT_HUMAN

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/tert-human-elisa-kits/telomerase-reverse-transcriptase/246861>