

Human thymidylate synthetase, TS ELISA Kit | TS elisa kit

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CATALOG #
AAA80441

REACTIVITY
Human

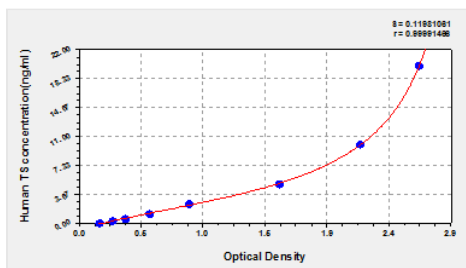
PRODUCT SYNONYMS

thymidylate synthetase; TS; Human thymidylate synthetase; TS ELISA Kit; TS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TS. No significant cross-reactivity or interference between human TS and analogues was observed.
Sequence Length	264
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of human TS is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TS elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TS is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TS bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56129205
UniProt Accession #	Q5PEN6
Molecular Weight	30,369 Da
NCBI Official Full Name	thymidylate synthetase
UniProt Protein Name	Thymidylate synthase
UniProt Gene Name	thyA
UniProt Synonym Gene Names	SPA2866; TS; TSase
UniProt Entry Name	TYSY_SALPA

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/thymidylate-synthetase-ts/80441>