

Human Thymidylate Synthetase (TS) ELISA Kit | TS elisa kit

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CATALOG #
AAA330350

REACTIVITY
Human

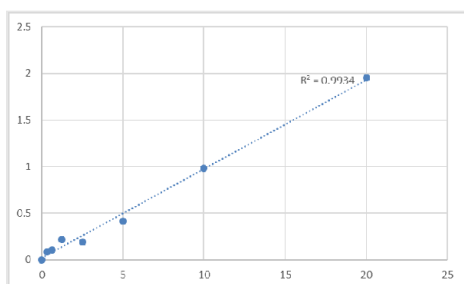
PRODUCT SYNONYMS

Thymidylate Synthetase (TS); Human Thymidylate Synthetase (TS) ELISA Kit; TS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Thymidylate synthetase (TS) ELISA Kit 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	413
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Thymidylate synthetase (TS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TS elisa kit	Description: This Human Thymidylate synthetase (TS) ELISA Kit employs a two-site sandwich ELISA to quantitate TS in samples. An 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, Streptavidin 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. Background: Tuberous sclerosis protein 1, also known as TSC1 or hamartin, This peripheral membrane protein was implicated as a tumor suppressor. It may be also involved in vesicular transport and docking, in complex with TSC2. Defects in this gene may cause tuberous sclerosis, due to a functional impairment of the hamartin-tuberin complex. Defects in TSC1 may also be a cause of focal cortical dysplasia. In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. Seems not to be required for TSC2 GAP activity towards RHEB. Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1001942211
NCBI Official Full Name	thymidylate synthetase

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://www.aaabiotech.com/human-elisa-kits/thymidylate-synthetase-ts/330350>