

Mouse Thymidylate Synthase Monoclonal Antibody | anti-TYMS antibody

Anti-Thymidylate Synthase Monoclonal Antibody

CATALOG # AAA47650	HOST Mouse	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Immunoblot, Western Blot, ELISA
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PRODUCT SYNONYMS

Thymidylate Synthase; Monoclonal Antibody; Anti-Thymidylate Synthase Monoclonal Antibody; Anti-Thymidylate Synthase; anti-TYMS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	Anti-Thymidylate Synthase [Murine MAb to human thymidylate synthase, a drug resistance-associated enzyme.] These antibodies specifically recognize human TS (36 kDa). They do not crossreact with rat TS.
Form/Format	200 ug Protein G-purified antibody in PBS, pH 7.4.
Sequence Length	313
Applicable Applications for anti-TYMS antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), IB (Immunoblot), ELISA
Antigen	Recombinant human thymidylate synthase produced in E. coli.
Stabilizer	None
Preservatives	None. Available on request.
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-TYMS antibody	Thymidylate synthase (TS) is an intracellular enzyme critical for de novo synthesis of DNA. In cancer, expression of TS is often elevated and becomes further elevated as a result of treatment with the most commonly used chemotherapeutic, 5-fluorouracil (5-FU). Resistance or lack of response to 5-FU is attributed to the elevation of TS activity. Overexpression of TS has been demonstrated in many types of tumors including breast, colon, gastric and melanoma and is usually predictive of shortened survival time.
Product Categories/Family for anti-TYMS antibody	Cancer Research Products

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507751
NCBI GeneID	7298
NCBI Accession #	NP_001062.1
NCBI GenBank Nucleotide #	NM_001071.2
UniProt Accession #	P04818 ; Q53FB7 ; Q53Y97 ; Q8WYK3 ; Q8WYK4

Molecular Weight	35,716 Da
NCBI Official Full Name	thymidylate synthase
NCBI Official Synonym Full Names	thymidylate synthetase
NCBI Official Symbol	TYMS
NCBI Official Synonym Symbols	TS; TMS; HST422; MGC88736
NCBI Protein Information	thymidylate synthase; TSase; OTTHUMP00000162195
UniProt Protein Name	Thymidylate synthase
UniProt Gene Name	TYMS
UniProt Synonym Gene Names	TS
UniProt Entry Name	TYSY_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/monoclonal/thymidylate-synthase-antibody-immunoprecipitation-immunohistochemistry-immunoblot-elisa/47650>