

32-6033: Mouse Anti Human Thymidylate Synthetase(Clone: PAT1S5AT.)

Clonality :	Monoclonal
Clone Name :	PAT1S5AT.
Application :	ELISA, WB
Gene :	TYMS
Gene ID :	7298
Uniprot ID :	P04818
Format :	Purified
Alternative Name :	TMS, EC 2.1.1.45, HST422, Thymidylate synthase, TSase, TS, TYMS, MGC88736.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human TYMS mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human TYMS amino acids 1-313 purified from E. coli.

Description

Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate as a cofactor which maintains the dTMP (thymidine-5-prime monophosphate) pool vital for DNA replication and repair. Thymidylate synthase plays an important role as a cancer chemotherapeutic agent. Thymidylate synthase is the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and several folate analogs.

Product Info

Amount :	20 µg
Purification :	TYMS antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

TYMS antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot and Immunofluorescence analysis is 1:500 ~ 1000. Recommended starting dilution is 1:500.