

## Product datasheet for **TA801678**

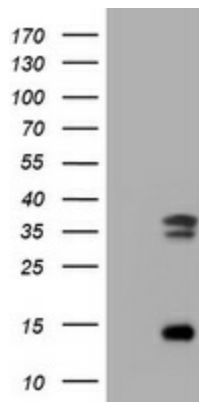
### Thymidylate Synthase (TYMS) Mouse Monoclonal Antibody [Clone ID: OTI1A6]

#### Product data:

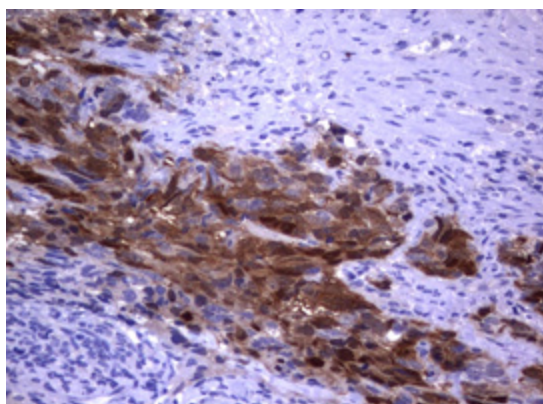
|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | OTI1A6  |
| Applications:         | IHC, WB   |
| Recommended Dilution: | WB 1:2000, IHC 1:150  |
| Reactivity:           | Human, Mouse, Rat   |
| Host:                 | Mouse   |
| Isotype:              | IgG2b   |
| Clonality:            | Monoclonal  |
| Immunogen:            | Full length human recombinant protein of human TYMS (NP_001062) produced in E.coli.   |
| Formulation:          | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:        | 1 mg/ml   |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | thymidylate synthetase  |
| Database Link:        | <a href="#">NP_001062</a><br><a href="#">Entrez Gene 22171 Mouse</a> <a href="#">Entrez Gene 29261 Rat</a> <a href="#">Entrez Gene 7298 Human</a><br><a href="#">P04818</a> |
| Synonyms:             | HST422; TMS; TS   |
| Protein Families:     | Druggable Genome  |
| Protein Pathways:     | Metabolic pathways, One carbon pool by folate, Pyrimidine metabolism  |



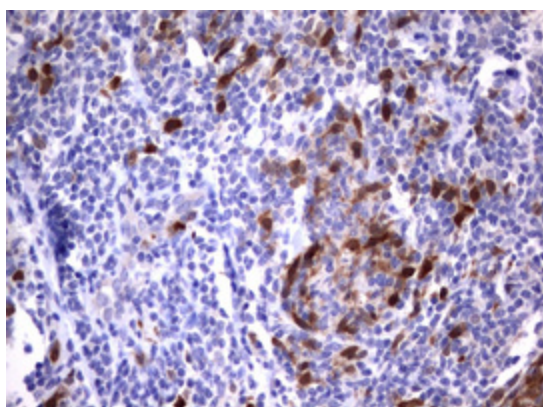
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**Product images:**

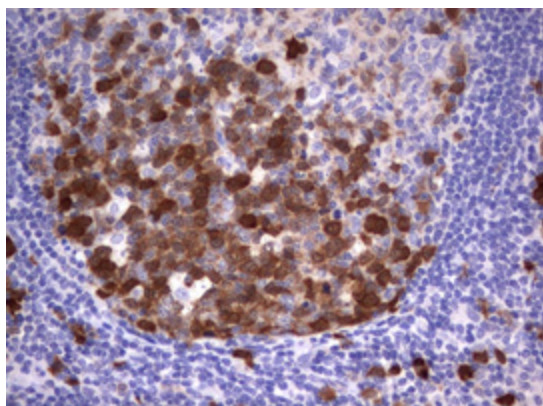
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TYMS ([RC204814], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TYMS. Positive lysates [LY420700] (100ug) and [LC420700] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-TYMS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801678)



Immunohistochemical staining of paraffin-embedded Human Lymphoma tissue using anti-TYMS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801678)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-TYMS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA801678)