# Recombinant Thymidylate Synthase Monoclonal Antibody

## Description

This Recombinant Thymidylate Synthase Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

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|---|---|
| **SKU:** | AGEL6739 |
| **Contents:** | Recombinant Thymidylate Synthase Monoclonal Antibody (50 µL, 100 µL)<br>Bradford Reagent: 1 vial (2ml) |
| **Clone:** | C171434 |
| **Applications:** | WB, IF, FCM |
| **Reactivity:** | Human, Mouse, Rat |

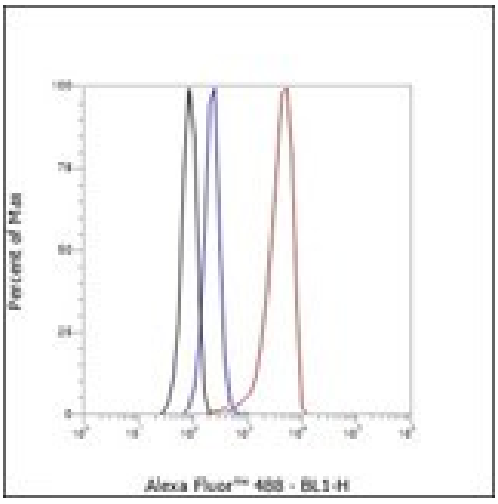
## Antibody Data

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|---|---|
| **Uniprot ID:** | P04818 |
| **Size:** | 50 µL, 100 µL |
| **Host Species:** | Rabbit |
| **Isotype:** | Rabbit IgG |
| **Conjugation:** | Unconjugated |
| **Buffer:** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

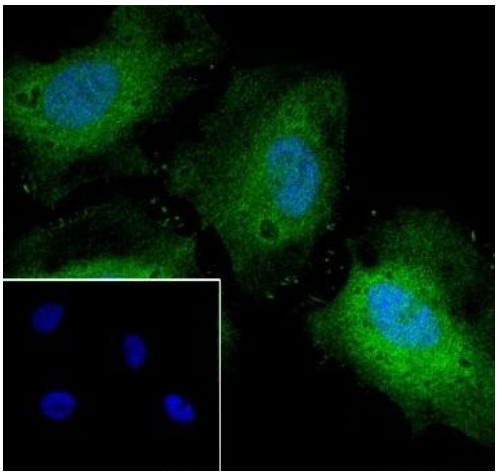
## Preparation & Storage

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|---|---|
| **Storage:** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. Store Bradford Reagent at Room Temperature for 1 Year. |
| **Shipping:** | Gel Pack |
| **Preparation:** | WB 1:500-1:2000, IF 1:50, FCM 1:50-1:100 |
| **Protein Quantification (Optional):** | To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol |
| **Notes:** | Centrifuge before opening to ensure complete recovery of vial contents. |

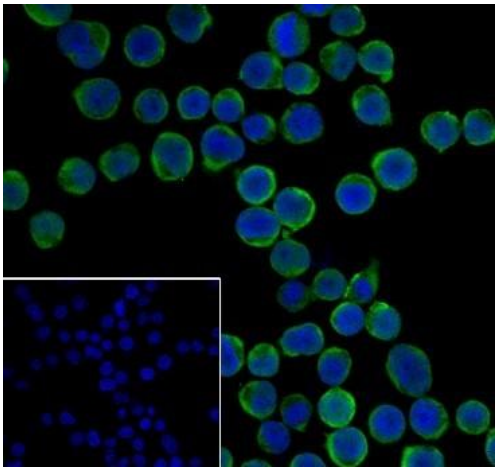
## Validation Data



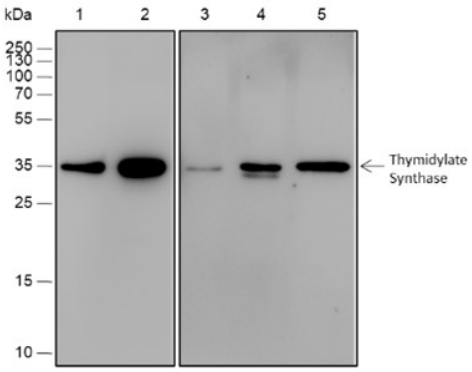

Flow cytometric analysis of human Thymidylate Synthase expression on HeLa cells. Cells were stained with purified anti-Human Thymidylate Synthase, then a Alexa Fluor 488- conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-Thymidylate Synthase Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-Thymidylate Synthase Monoclonal Antibody at dilution of 1:50.




Western Blot with Thymidylate Synthase Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: Jurkat, Lane 3: HepG2, Lane 4: RAW 264.7, Lane 5: C6 Observed-MW:36 kDa Calculated-MW:36 kDa

**Manufacturers Statement**

This final kit system is assembled and quality-released by Assay Genie Limited.