

# HRP-conjugated TYMS Monoclonal antibody

Catalog Number: **HRP-66725**

## Basic Information

<b>Catalog Number:</b> HRP-66725	<b>GenBank Accession Number:</b> BC002567	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7298	<b>CloneNo.:</b> 1F5B7
<b>Source:</b> Mouse	<b>Full Name:</b> thymidylate synthetase	<b>Recommended Dilutions:</b> WB 1:5000-1:20000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 36 kDa	
<b>Immunogen Catalog Number:</b> AG7027	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : Jurkat cells,
<b>Species Specificity:</b> Human	

## Background Information

Thymidylate synthase gene (TYMS) encodes thymidylate synthase (TS) which is an important factor in the growth of tumor cells. TS can catalyze the transformation of intracellular uridine monophosphate (UMP) into dTMP which is required for DNA replication and repairing. TS is a key enzyme in the process of cell proliferation, also is the important target enzymes of 5-FU and other chemotherapy drugs. The expression of TYMS is negatively correlated with the efficacy of chemotherapy and the prognosis of patients who suffer from rectal cancer, breast cancer, colorectal cancer, gastric cancer, head and neck cancer, esophageal cancer, pancreatic cancer and so on.

## Storage

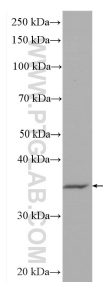
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with HRP-66725 (TYMS antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours.