

For Research Use Only

# MCTS1 Monoclonal antibody

Catalog Number: 68360-1-Ig



## Basic Information

<b>Catalog Number:</b> 68360-1-Ig	<b>GenBank Accession Number:</b> BC001013	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 28985	<b>CloneNo.:</b> 1F10C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9ULC4	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> malignant T cell amplified sequence 1	
<b>Immunogen Catalog Number:</b> AG7057	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 19 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> U2OS cells, HeLa cells, Raji cells, Jurkat cells, K-562 cells, MOLT-4 cells <b>IF/ICC :</b> HeLa cells,

## Background Information

MCTS1 is an anti-oncogene that plays a role in cell cycle regulation. It can reduce cell doubling time and anchor-dependent growth. The G1 transition time and the duration of the G1 / S transition are shortened. It can also promote the release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (PMID: 10440924).

## Storage

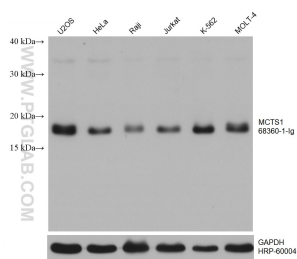
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

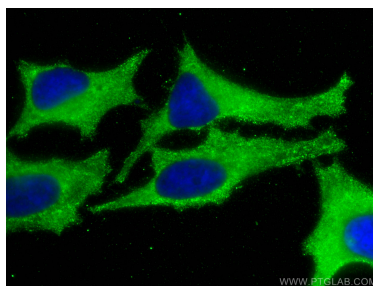
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68360-1-Ig (MCTS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using MCTS1 antibody (68360-1-Ig, Clone: 1F10C7 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).