

For Research Use Only

# CoraLite®594-conjugated TELO2 Monoclonal antibody



Catalog Number:CL594-66077

## Basic Information

<b>Catalog Number:</b> CL594-66077	<b>GenBank Accession Number:</b> BC017188	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 2000 µg/ml by Nanodrop and 2000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9894	<b>CloneNo.:</b> 3H10F4
<b>Source:</b> Mouse	<b>Full Name:</b> TEL2, telomere maintenance 2, homolog (S. cerevisiae)	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 837 aa, 92 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Immunogen Catalog Number:</b> AG8834	<b>Observed MW:</b> 92 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human, rat	

## Background Information

TELO2 gene encodes a telomere length regulation protein TEL2 homolog. TELO2 may be involved in telomere length regulation and can form TTT complex with TTI1 and TTI2. TTT complex is required to stabilize protein levels of PIKK family proteins and is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and MMC. The activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals, can be promoted, stabilized and maintained by TELO2.

## Storage

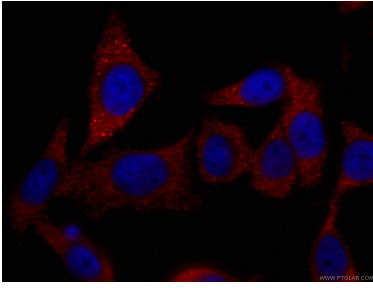
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-66077 (TELO2 antibody) at dilution of 1:100.