

For Research Use Only

# CoraLite®594-conjugated COMMD1 Monoclonal antibody



Catalog Number:CL594-67016

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL594-67016                             | <b>GenBank Accession Number:</b><br>BC022046                          | <b>Purification Method:</b><br>Protein G purification                 |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>150684                                       | <b>CloneNo.:</b><br>3B10E10   |
| <b>Source:</b><br>Mouse   | <b>Full Name:</b><br>copper metabolism (Murr1) domain<br>containing 1 | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Isotype:</b><br>IgG1   | <b>Calculated MW:</b><br>190 aa, 21 kDa                               | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>593 nm / 614 nm |
| <b>Immunogen Catalog Number:</b><br>AG28596                       | <b>Observed MW:</b><br>18 kDa   |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>IF                     | <b>Positive Controls:</b><br>IF : HepG2 cells, |
| <b>Species Specificity:</b><br>Human, Mouse, Rat, Pig |  |

## Background Information

COMMD1(COMM domain-containing protein 1), also named MURR1, is implicated in copper homeostasis by binding one copper ion per monomer. COMMD1 was reported to accelerate the ubiquitination and degradation of NF-kappa-B subunits, its deficiency exerts enhanced NF-kappa-B mediated cellular response. Ubiquitinated by XIAP (X-linked inhibitor of apoptosis), COMMD1 undergoes proteasomal degradation. SOD1 activity can be downregulated by COMMD1.

## Storage

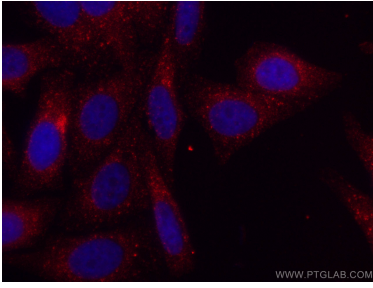
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594-conjugated COMMD1 antibody (CL594-67016, Clone: 3B10E10) at dilution of 1:100.