

For Research Use Only

# CoraLite®594-conjugated COMMD1 Monoclonal antibody

Catalog Number: CL594-67016



## Basic Information

### Catalog Number:

CL594-67016

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG28596

### GenBank Accession Number:

BC022046

### GeneID (NCBI):

150684

### UNIPROT ID:

Q8N668

### Full Name:

copper metabolism (Murr1) domain containing 1

### Calculated MW:

190 aa, 21 kDa

### Observed MW:

18 kDa

### Purification Method:

Protein G purification

### CloneNo.:

3B10E10

### Recommended Dilutions:

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF/ICC

### Species Specificity:

Human, Mouse, Rat, Pig

### Positive Controls:

IF/ICC : HepG2 cells,

## 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. 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

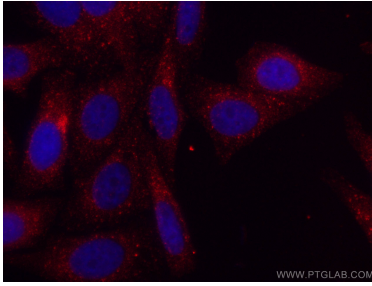
For technical support and original validation data for this product please contact:

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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.