

For Research Use Only

# CoraLite®594-conjugated PLOD3 Monoclonal antibody

Catalog Number: CL594-60058

Featured Product



## Basic Information

Catalog Number:

CL594-60058

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG1480

GenBank Accession Number:

BC011674

GeneID (NCBI):

8985

UNIPROT ID:

O60568

Full Name:

procollagen-lysine, 2-oxoglutarate 5-  
dioxygenase 3

Calculated MW:

738 aa, 85 kDa

Observed MW:

80-85 kDa

Purification Method:

Protein A purification

CloneNo.:

2G12B8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

PLOD3, also named as LH3, forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links. The major function of PLOD3 in osteoblasts is to glucosylate galactosylhydroxylysine residues in type I collagen.

## 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:

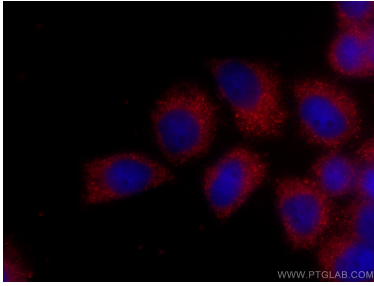
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

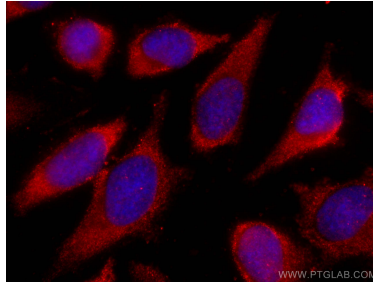
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL594-60058 (PLOD3 antibody) at dilution of 1:50.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 PLOD3 antibody (CL594-60058, Clone: 2G12B8 ) at dilution of 1:200.