

For Research Use Only

# CoraLite® Plus 488-conjugated COL6A1 Polyclonal antibody

Catalog Number: CL488-17023

Featured Product



## Basic Information

Catalog Number:

CL488-17023

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10288

GenBank Accession Number:

BC052575

GeneID (NCBI):

1291

UNIPROT ID:

P12109

Full Name:

collagen, type VI, alpha 1

Calculated MW:

1028 aa, 109 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

mouse

Positive Controls:

IF-P : mouse skeletal muscle tissue, human colon tissue

## Background Information

Type VI Collagen is a major structural component of microfibrils. Type VI Collagen was found to be present throughout the connective tissue and in the extracellular matrix of cultured fibroblasts (PMID: 6723253). It is a heterotrimer composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI). The alpha-1(VI) chain is encoded by COL6A1 gene. Mutations in this gene result in Bethlem myopathy and Ullrich congenital muscular dystrophy.

## 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

Aliquoting is unnecessary for -20°C storage

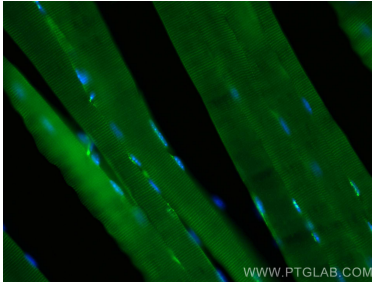
For technical support and original validation data for this product please contact:

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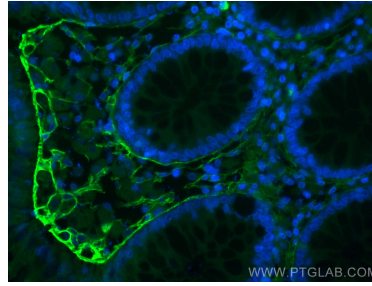
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using CoraLite® Plus 488 Collagen Type VI antibody (CL488-17023) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using CoraLite® Plus 488 Collagen Type VI antibody (CL488-17023) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).