

For Research Use Only

# Fibromodulin Monoclonal antibody

Catalog Number: 60108-2-Ig



## Basic Information

**Catalog Number:**

60108-2-Ig

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG4030

**GenBank Accession Number:**

BC035281

**GeneID (NCBI):**

2331

**UNIPROT ID:**

Q06828

**Full Name:**

fibromodulin

**Calculated MW:**

376 aa, 43 kDa

**Observed MW:**

50-60kDa, 43 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2B11D3

**Recommended Dilutions:**

WB: 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, pig, rabbit

**Positive Controls:**

WB : rabbit heart tissue, human testis tissue, pig heart tissue

## Background Information

Fibromodulin (FMOD), an extracellular matrix protein, belongs to the small leucine-rich proteoglycan family. Fibromodulin is a collagen-binding protein present in many types of connective tissues, e.g. cartilage, tendon, skin, sclera and cornea (PMID: 2531085). It is involved in fibrillogenesis, cell adhesion, and cytokine activity modulation (PMID: 15741214). Fibromodulin may participate in the assembly of the extracellular matrix as it interacts with type I and type II collagen fibrils and inhibits fibrillogenesis in vitro. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. The calculated molecular mass of fibromodulin is 43 kDa, extracellular fibromodulin appears as one single band of 59 kDa due to glycosylation (PMID: 2531085; 22138190).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

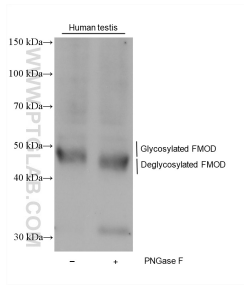
T: 4006900926

E: Proteintech-CN@ptglab.com

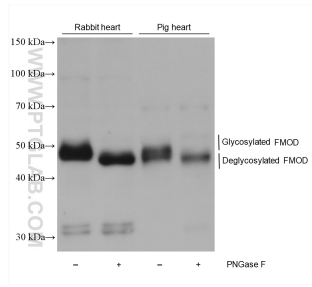
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60108-2-Ig (FMOD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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