

# BMP5 Monoclonal antibody

Catalog Number: 66370-1-Ig

## Basic Information

**Catalog Number:**

66370-1-Ig

**Size:**

1800 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG3952

**GenBank Accession Number:**

BC027958

**GeneID (NCBI):**

653

**UNIPROT ID:**

P22003

**Full Name:**

bone morphogenetic protein 5

**Calculated MW:**

454 aa, 52 kDa

**Observed MW:**

52 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G6C10

**Recommended Dilutions:**

WB 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, pig

**Positive Controls:**

WB : pig lung tissue, pig liver tissue

## Background Information

Bone morphogenetic protein-5 (BMP5), is a member of the TGF-beta superfamily. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. BMP5 may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. BMP5 is differentially regulated in multiple human cancers.

## Storage

**Storage:**

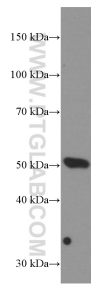
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



pig lung tissue were subjected to SDS PAGE followed by western blot with 66370-1-Ig (BMP5 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.