

Product Information

Recombinant Anti-Human bmp4 Antibody Fab Fragment

Cat. No.: **MOM-18290-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human BMP4, expressed in E. coli

Antigen Description

Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH/PTHRP to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction.

Specific Activity

Tested positive against native antigen.

Target

BMP4

Immunogen

Recombinant Human BMP4 Protein

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[BMP4 bone morphogenetic protein 4 \[Homo sapiens \]](#)

Official Symbol

BMP4

Synonyms

BMP4; bone morphogenetic protein 4; BMP2B; BMP-4; BMP-2B; bone morphogenetic protein 2B; ZYME; OFC11; BMP2B1; MCOPS6

Gene ID

[652](#)

mRNA Refseq

[NM_001202](#)

Protein Refseq

[NP_001193](#)

MIM

[112262](#)

UniProt ID

P12644

Chromosome Location

14q22-q23

Pathway

Adipogenesis, organism-specific biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Glypican 3 network, organism-specific biosystem; Heart Development, organism-specific biosystem; Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling pathway, conserved biosystem;

Function

BMP receptor binding; chemoattractant activity; cytokine activity; growth factor activity; protein binding;