

**Product Name: BMP2 Mouse Monoclonal Antibody****Catalog #: AMM81497**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	44.7kDa

**Antigen Information**

<b>Gene Name</b>	BMP2
<b>Alternative Names</b>	BDA2; BMP2A
<b>Gene ID</b>	650.0
<b>SwissProt ID</b>	P12643
<b>Immunogen</b>	Purified recombinant fragment of human BMP2 (AA: 283-396) expressed in E. Coli.

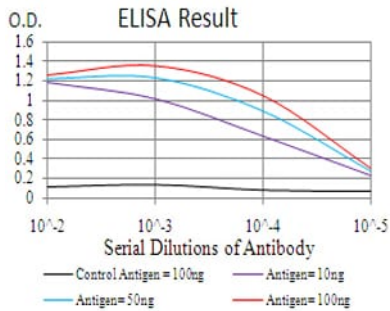
**Background**

The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation.

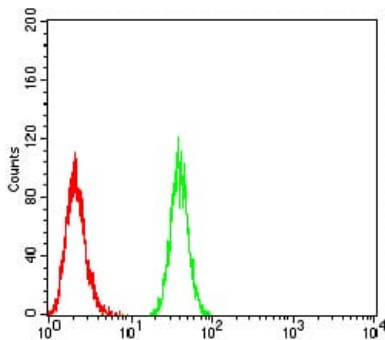
## Research Area

TGF-beta signaling pathway

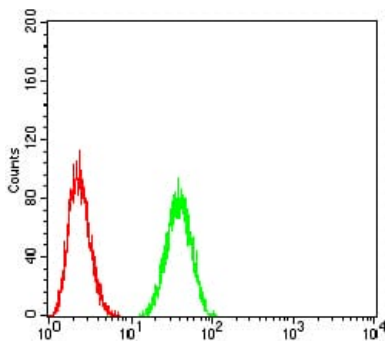
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of HeLa cells using BMP2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of A549 cells using BMP2 mouse mAb (green) and negative control (red).