

### 32-5731: Mouse Anti Human Bone Morphogenetic Protein-7(Clone:P4E7AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P4E7AT.
<b>Application :</b>	ELISA ,WB
<b>Gene :</b>	BMP7
<b>Gene ID :</b>	655
<b>Uniprot ID :</b>	P18075
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Osteogenic Protein 1,OP-1,BMP-7.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human BMP7 mAb, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with Recombinant human BMP7 amino acids 293-431 purified from E. coli.

#### Description

The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	BMP7 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

BMP7 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 2,000. Recommended starting dilution is 1:1,000.