

Catalog	Unit
TBS10401-0.5MG	0.5 mg
TBS10401-1MG	1 mg
TBS10401-5MG	5 mg

Description

Tribio in vivo Anti-Human BMP4 Monoclonal Antibody is a highly specific mouse monoclonal antibody targeting human BMP4. It specifically recognizes and neutralizes BMP4 activity by blocking its signaling pathways, and is suitable for research applications such as ELISA, immunoblotting, immunohistochemistry, and functional assays. BMP4 is a key morphogen in the TGF-β superfamily, involved in embryonic development, bone and cartilage formation, cell differentiation, and tissue homeostasis. Aberrant BMP4 expression is associated with various diseases, including cancer, cardiovascular disorders, pulmonary hypertension, fibrosis, and developmental abnormalities. It is also implicated in tumor progression, angiogenesis, and regulation of the tumor microenvironment. Therefore, this antibody is widely used in developmental biology, stem cell research, cancer biology, cardiovascular and pulmonary research, as well as fibrosis studies.

Product Details

Applications:	ELISA, Neutralization
Species reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Target:	Bone morphogenetic protein 4, BMP-4, Bone morphogenetic protein 2B, BMP-2B, BMP4, BMP2B, DVR4.
Uniprot:	P12644
Concentration:	3 mg/ml
Purity:	>95%
Formulation:	Liquid
Storage buffer:	0.01M PBS, pH 7.4.
Purification:	Protein A/G purified from cell culture supernatant.
Clonality:	Monoclonal
Storage:	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

Data Image

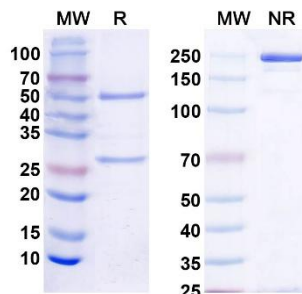


Fig. 1. SDS-PAGE for InVivoMab Anti-Human BMP4 Antibody
 MW: Molecular Weight (kDa) Marker; R: Reducing conditions; NR: Non-Reducing conditions.

For research use only.