

Anti-ACVR2B mIgG2a Antibody(Bimagrumab)

Product information

GM-87700AB-10	10 µg
GM-87700AB-100	100 µg
GM-87700AB-1000	1 mg

Antibody Information

Species Reactivity	Human;
Clone	Bimagrumab
Source/Isotype	Monoclonal mouse IgG2a, κ
Application	Bioactivity-ELISA
Specificity	Detects ACVR2B
Gene	ACVR2B
Other Names	ACTRIIB, ActR-IIB, HTX4
Gene ID	93(human)
Background	ACVR2B is an activin type 2 receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. ACVR2B binds to activin and growth differentiation factor (GDF), which in turn activates type I receptors and activates downstream molecules. In addition, mutations in this gene may affect protein function in left and right axis formation and cardiovascular development, as well as reduce muscle mass and bone mass.
Storage	Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human ACVR2B Protein; hFc Tag (Catalog # GM-87674RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-ACVR2B mIgG2a Antibody(Bimagrumab) (Catalog # GM-87700AB) were added.

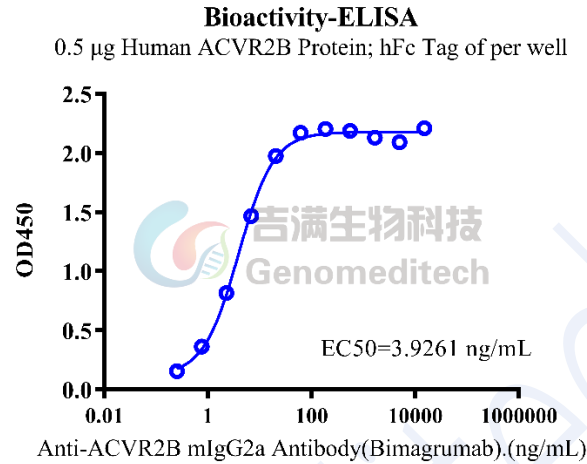


Fig. assay

Bioactivity-ELISA

Human ACVR2A Protein; hFc Tag (Catalog # GM-84197RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-ACVR2B mIgG2a Antibody(Bimagrumab) (Catalog # GM-87700AB) were added.

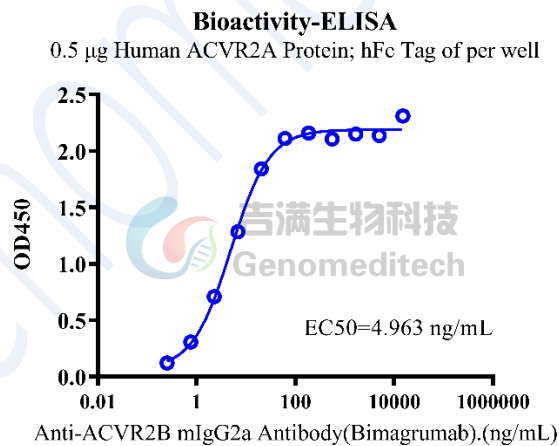


Fig. assay