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Anti-ACVR2A hIgG1 Antibody(LAE-102)

Product information

GM-87928AB-10	10 μg
GM-87928AB-100	100 μg
GM-87928AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	LAE-102
Source/Isotype	Human IgG1 kappa
Application	Bioactivity-ELISA
Target	Detects ACVR2A
Gene	ACVR2A
Other Names	ACTRII, ACVR2
Gene ID	92 (Human)
Background	ACVR2A, a type II receptor that encodes a member of the Transforming growth factor beta (TGF-β) family. It usually forms a complex with type I receptors (such as Alk4/Alk7, also known as ACVR1B/ACVR1C) and activates the intracellular Saring (Smad) signaling pathway, typically phosphorylation and translocation of SMAD2/3, which in turn regulates gene expression. It also participates in signal transduction through non-SMAD pathway. ACVR2A plays an important role in embryonic development and adult tissue homeostasis maintenance in a variety of tissues, affecting epithelial-mesenchymal transition, stem/progenitor cell status, muscle cell differentiation and other processes through Activin/TGF-β-related signaling.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human ACVR2A Protein; His Tag (Catalog # GM-87256RP) was immobilized at 1 μg/ml (100 μL/well). Increasing concentrations of Anti-ACVR2A hIgG1 Antibody(LAE-102)(Catalog # GM-87928AB) were added.

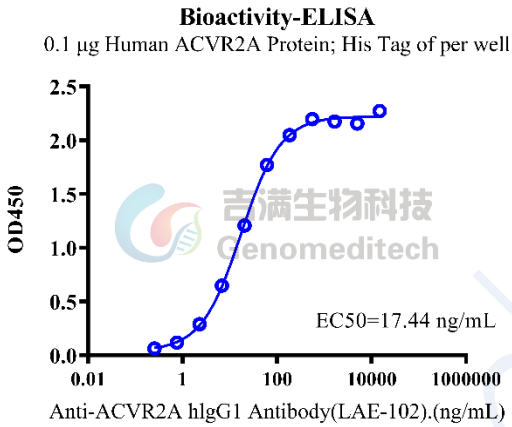

Fig. Assay