

Bovine Bone Morphogenetic Protein Receptor 1A (BMPR1A) ELISA Kit-Sandwich

Cat. No.: EK12F156

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Bone Morphogenetic Protein Receptor 1A (BMPR1A) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Bone Morphogenetic Protein Receptor 1A (BMPR1A) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine BMPR1A.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	1.56-100 ng/mL
Sensitivity	0.54 ng/mL
Recovery	80%-102%
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that includes the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors ACVR1 and ACVR2. Bovine Bone Morphogenetic Protein Receptor 1A is encoded by the *BMPR1A* gene in cattle. Research has shown that BMPR1A is a target gene of bta-miR-493, which could promote bovine preadipocyte proliferation but inhibit their differentiation by targeting BMPR1A via the TGFβ/BMP and p38MAPK signaling pathways.

Target/Biomarker	Bovine BMPR1A
Target Synonym	bone morphogenetic protein receptor type 1A; BMPR-1A; bone morphogenetic protein receptor type-1A; bone morphogenetic protein receptor 1A; bone morphogenetic protein receptor type 1A; bone morphogenetic protein receptor 1A; bone morphogenetic protein receptor type 1A; bone morphogenetic protein receptor 1A

rotein receptor, type IA

Gene ID	404101
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UniProt ID	F1MCE7
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Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.