

Bovine Mothers Against Decapentaplegic Homolog 1 (SMAD1) ELISA Kit-Sandwich

Cat. No.: EK11F789

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Mothers Against Decapentaplegic Homolog 1 (SMAD1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Mothers Against Decapentaplegic Homolog 1 (SMAD1) 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 SMAD1.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	78-5000 pg/mL
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

Mothers against decapentaplegic homolog 1 (SMAD1), also known as SMAD family member 1, is a protein encoded by the *SMAD1* gene in cattle. SMAD1 plays essential roles in various cellular processes, including embryonic development, bone formation, and regulation of gene expression. SMAD1 belongs to the mothers against decapentaplegic protein family, which participates in the BMP pathway to control skeletal myogenesis and growth. It may play an important role in muscle growth and development.

Target/Biomarker	Bovine SMAD1
Target Synonym	SMAD family member 1; mothers against decapentaplegic homolog 1; MAD homolog 1; SMAD 1; SMAD, mothers against DPP homolog 1; Sma- and Mad-related protein 1; mad-related protein 1; mothers against DPP homolog 1
Gene ID	540488

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.