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Bovine Angiopoietin-1 (ANGPT1) ELISA Kit-Sandwich

Cat. No.: EK12F306

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Angiopoietin-1 (ANGPT1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Angiopoietin-1 (ANGPT1) 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 ANGPT1.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	0.625-40 ng/mL
Sensitivity	0.197 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

Angiopoietin-1 (Angpt1) is a growth factor produced by various cell types within the body. It is a secreted glycoprotein primarily produced by: vascular support cells, specialized pericytes in the kidney, and hepatic stellate cells (ITO cells) in the liver. Bovine Angiopoietin-1 is encoded by the *ANGPT1* gene in cattle. It is an angiogenesis and cellular modelling pathway-related factor which may contribute to the maintenance of vessel stability throughout early corpus luteum formation.

Target/Biomarker	Bovine ANGPT1
Target Synonym	angiopoietin 1; angiopoietin-1; ANG-1
Gene ID	282140

UniProt ID	O18920

Shipping and Storage

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

Reference

Sousa, L. M. M. d. C. *et al*. Equine Chorionic Gonadotropin Modulates the Expression of Genes Related to the Structure and Functi on of the Bovine Corpus Luteum. *PloS one*. 2016, 11: e0164089.