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Bovine Proenkephalin-A (PENK) ELISA Kit-Sandwich

Cat. No.: EK12F286

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Proenkephalin-A (PENK) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Proenkephalin-A (PENK) 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 PENK.
Target Species	Bovine
Species Reactivity	Bovine
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

Proenkephalin A (PENK), formerly known as proenkephalin A, is encoded by the *PENK* gene in cattle. The enkephalins play a role in pain modulation, mood regulation, and stress response. Among the high molecular mass water-soluble proteins, proenkephalin-A and chromogranins constitute the major constituents of the chromaffin granules. Researchers study PENK as a biomarker for kidney function, particularly in predicting acute and chronic kidney disease.

Target/Biomarker	Bovine PENK
Target Synonym	proenkephalin; proenkephalin-A
Gene ID	281387
UniProt ID	P01211

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

Goumon, Y. *et al*. Processing of proenkephalin-A in bovine chromaffin cells. Identification of natural derived fragments by N-termina l sequencing and matrix-assisted laser desorption ionization-time of flight mass spectrometry. *The Journal of biological chemistry*. 2 000, 275: 38355-38362.