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Bovine Defensin Beta 3 (Defb3) ELISA Kit-Sandwich

Cat. No.: EK11F686

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Defensin Beta 3 (Defb3) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Defensin Beta 3 (Defb3) 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 Defb3.
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

Bovine Defensin Beta 3 is encoded by the *Defb3* gene in cattle. It belongs to the beta-defensin family and has antibacterial activity against both gram-negative and gram-positive bacteria, including MRSA and VRE. It is an important protein involved in innate immunity and defense against bacterial pathogens. It was reported that the expression level of DEFB3 was increased in the bovine monocyte culture treated with lipopolysaccharide in a dose-dependent manner.

Target/Biomarker	Bovine Defb3
Target Synonym	defensin beta 3; BNDB3; DEFB2; DEFB6; bnbd3; BNBD-3; BNBD-6; BNDB-3; BNDB-6; defb405; DEFB103A; beta-defensin 3; beta-defensin 405; beta-defensin 6; bovine neutrophil beta-defensin 3; defensin, beta 103A
Gene ID	101906662
UniProt ID	P46161

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

Gurao, A. *et al*. β-defensins: An innate defense for bovine mastitis. *Veterinary world*. 2017, 10: 990-998.

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.