

Bovine Major Histocompatibility Complex Class II DQ Alpha Type 1 (BOLA-DQA1) ELISA Kit -Sandwich

Cat. No.: EK12F348

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Major Histocompatibility Complex Class II DQ Alpha Type 1 (BOLA-DQA1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Major Histocompatibility Complex Class II DQ Alpha Type 1 (BOLA-DQA1) 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 BOLA-DQA1.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	1.563-100 ng/mL
Sensitivity	0.94 ng/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

Bovine Major Histocompatibility Complex Class II DQ alpha Type 1 is encoded by the *BOLA-DQA1* gene in cattle. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Research has shown that heterozygosity of the *BOLA-DQA1* gene is associated with resistance to mastitis progression in cattle.

Target/Biomarker	Bovine BOLA-DQA1
Target Synonym	major histocompatibility complex, class II, DQ alpha, type 1; BoLA-DQA; MHC class II antigen

Gene ID [282534](#)

UniProt ID [A6H6Y1](#)

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.