

Bovine Heat Shock-Related 70 kDa Protein 2 (HSPA2) ELISA Kit-Sandwich

Cat. No.: EK11F568

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Heat Shock-Related 70 kDa Protein 2 (HSPA2) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Heat Shock-Related 70 kDa Protein 2 (HSPA2) 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 HSPA2.
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 Heat Shock-Related 70 kDa Protein 2 is encoded by the *HSPA2* gene in cattle. It is a member of the 70 kDa heat shock protein (HSP70) family, which plays an important role in spermatogenesis and male fertility. HSPA2 plays a pivotal role in maintaining protein quality within cells. It ensures correct protein folding, refolding of misfolded proteins, and controls protein targeting for subsequent degradation.

Target/Biomarker	Bovine HSPA2
Target Synonym	heat shock protein family A (Hsp70) member 2; HSPA3; heat shock-related 70 kDa protein 2; HSP70.3; heat shock 70 kD protein 3; heat shock 70 kDa protein 3; heat shock 70kDa protein 1A; heat shock 70kDa protein 3
Gene ID	281827
UniProt ID	P34933

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

Padhi, A. *et al.* Testis-enriched heat shock protein A2 (HSPA2): Adaptive advantages of the birds with internal testes over the mammals with testicular descent. *Scientific reports*. 2016, 6: 18770.

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.