

Sheep Heat Shock 70kDa Protein (HSP70) ELISA Kit-Sandwich

Cat. No.: EK12F924

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Sheep Heat Shock 70kDa Protein(HSP70) ELISA Kit-Sandwich is designed for the quantitative determination of Sheep Heat Shock 70kDa Protein(HSP70) 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 Sheep HSP70.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	3.125-200 ng/mL
Sensitivity	1.875 ng/mL
Recovery	85%-104%
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

Heat Shock 70kDa Protein is encoded by the *HSP70* gene in sheep. It is a member of the heat shock proteins produced by cells in response to stressful conditions. HSP70 is a molecular chaperone that plays a crucial role in the biological process of protein. The expression of HSP70 could be used as a molecular marker for heat/cold stress in Barki sheep.

Target/Biomarker	Sheep HSP70
Target Synonym	Heat shock 70 kDa protein 1; 2; heat shock 70kDa protein 1A; HSP70; HSP70 1; HSP70 1; HSP70 2; HSP70 1A; HSP70.1; HSP70.2; HSP70I; HSP72; HSPA1; HSPA1A; HSPA1B

Gene ID [100913152](#)

UniProt ID [H2DGR2](#)

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

Rawash, R. A. A. *et al.* Expression profiling of HSP 70 and interleukins 2, 6 and 12 genes of Barki sheep during summer and winter seasons in two different locations. *International Journal of Biometeorology*. 2022, 66: 2047-2053.

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.