

Chicken S100 Calcium Binding Protein A12 (S100A12) ELISA Kit-Sandwich

Cat. No.: EK9F264

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Chicken S100A12 ELISA Kit-Sandwich is designed for the quantitative determination of Chicken S100 calcium binding protein A12 (S100A12) in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, 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 Chicken S100A12.
Target Species	Chicken
Species Reactivity	Chicken
Detection Range	0.35-20 ng/mL
Sensitivity	0.06 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

S100 calcium-binding protein A12 (S100A12) is encoded by the *S100A12* gene. This protein is thought to be involved in specific calcium-dependent signal transduction pathways, and its regulatory effects on cytoskeletal components may regulate various neutrophil activities. Comparative analysis of mRNA expression profiles of macrophages of two chicken breeds revealed that 22 DEGs (including S100A12) were found to be hub genes regulating phagocytosis by participating in different immunological biological signaling pathways.

Target/Biomarker	Chicken S100A12
Target Synonym	S100 calcium binding protein A12; S100A9; protein MRP-126; S100 calcium binding protein A9 (calgranulin B)

Gene ID [426356](#)

UniProt ID [A0A8V1AIE5](#)

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

Zhang, J. *et al.* Comparative functional analysis of macrophage phagocytosis in Dagu chickens and Wenchang chickens. *Frontiers in immunology*. 2023, 14: 1064461.

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.