

Chicken CD47 Molecule (CD47) ELISA Kit-Sandwich

Cat. No.: EK9F529

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Chicken CD47 ELISA Kit-Sandwich is designed for the quantitative determination of Chicken CD47 molecule (CD47) 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 CD47.
Target Species	Chicken
Species Reactivity	Chicken
Detection Range	125-8000 pg/mL
Sensitivity	25 pg/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

CD47 molecule, also known as leukocyte surface antigen CD47, is encoded by the *CD47* gene in chickens. It plays an important role in defending against avian reovirus (ARV) invasion, inhibiting ARV replication and proliferation, and promoting virus clearance.

Target/Biomarker	Chicken CD47
Target Synonym	CD47 molecule; leukocyte surface antigen CD47; CD47 antigen (Rh-related antigen integrin-associated signal transducer); CD47 glycoprotein
Gene ID	418408
UniProt ID	Q6XFR1

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

Wang, S. *et al.* Dynamic changes in the expression of interferon-stimulated genes in joints of SPF chickens infected with avian reovirus. *Frontiers in Veterinary Science*. 2021, 8: 618124.

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.