

Avian Sphingosine 1 Phosphate (S1P) ELISA Kit-Sandwich

Cat. No.: EK1F528

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Avian Sphingosine 1 Phosphate (S1P) ELISA Kit-Sandwich is designed for the quantitative determination of Avian Sphingosine 1 Phosphate (S1P) 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 Avian S1P.
Target Species	Avian
Species Reactivity	Avian
Detection Range	3.13-200 ng/mL
Sensitivity	0.91 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Sphingosine-1-phosphate (S1P) is a biologically active sphingolipid metabolite that regulates the survival, differentiation, and motility of cells. S1P is derived from ceramide, which consists of a sphingosine molecule linked to a fatty acid. The enzyme ceramidase converts ceramide to sphingosine, which is then phosphorylated by sphingosine kinase (SK). It is involved in the processes of cell migration, proliferation, and autophagy.

Target/Biomarker	Avian S1P
Target Synonym	EDG3; LPB3; S1P3; S1PR3; endothelial differentiation, sphingolipid G-protein-coupled receptor, 3; Sphingosine 1-phosphate receptor Edg-3

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.