

Bovine Myelin-Oligodendrocyte Glycoprotein (MOG) ELISA Kit-Sandwich

Cat. No.: EK11F802

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Myelin-Oligodendrocyte Glycoprotein (MOG) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Myelin-Oligodendrocyte Glycoprotein (MOG) 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 MOG.
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 Myelin-Oligodendrocyte Glycoprotein is encoded by the *MOG* gene in cattle. It plays a crucial role in myelin maturation, myelin integrity, and cell surface interactions. It is found on the surface of myelinating oligodendrocytes and external lamellae of myelin sheaths in the central nervous system, and it is a target antigen in experimental autoimmune encephalomyelitis and multiple sclerosis. Mutations in the *MOG* gene can lead to Pelizaeus-Merzbacher disease (PMD).

Target/Biomarker	Bovine MOG
Target Synonym	myelin oligodendrocyte glycoprotein; myelin-oligodendrocyte glycoprotein
Gene ID	280863
UniProt ID	P55803

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.