Rabbit Myelin basic protein (MBP) ELISA Kit

Catalog No: #EK9834

Package Size: #EK9834-1 48T #EK9834-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rabbit Myelin basic protein (MBP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rabbit (Oryctolagus cuniculus)
Other Names	MGC99675; Golli-mbp|OTTHUMP00000174383
Accession No.	P25274
Uniprot	P25274
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MBP in samples. An antibody specific for MBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMBP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MBP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Myelin basic protein (MBP) is a protein believed to be important in the process of myelination of nerves in the central nervous system (CNS). Myelin Basic Protein (MBP) is the major constituent of the CNS myelin synthesized by oligodendrocytes and Schwann cells. MBP, PLP (proteolipid proteins) and MOG (myelin oligodendrocyte glycoprotein) are potential primary encephalitogenic target antigens in multiple sclerosis.MBP was initially sequenced in 1979 after isolation from myelin membranes. Since that time, knockout mice deficient in MBP have been developed which showed decreased amounts of CNS myelination and a progressive disorder characterized by tremors, seizures, and early death. The gene for MBP is on chromosome 18; the protein localizes to the CNS and to various cells of the hematopoietic system.

Note: This product is for in vitro research use only