

Human myelin protein zero antibody (IgG) ELISA Kit

Human myelin protein zero antibody, IgG ELISA Kit

CATALOG #
AAA80278

REACTIVITY
Human

PRODUCT SYNONYMS

myelin protein zero antibody (IgG); Human myelin protein zero antibody; IgG ELISA Kit; Human myelin protein zero antibody (IgG) ELISA Kit; myelin protein zero antibody (IgG) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	476
Samples	Serum, plasma
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES

TYPICAL DATA		
Test parameter	specification	test result
Positive control	>0.8	1.174
Negative control	<0.2	0.142
Positive rate	10. Positive	100%
Negative rate	10. Negative	100%

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for myelin protein zero antibody (IgG) elisa kit

Introduction: Human peripheral nervous system myelin contains three major proteins, designated P0, P1 and P2. The major protein, P0, is a glycoprotein, which makes up 50% of the total peripheral nervous system myelin protein. It has a molecular weight of 30,000 and is distinct from two basic proteins, P1 and P2, with molecular weights of 18,000 and 13,000, respectively. The P0 protein is unique to peripheral nervous system myelin and is not present in central nervous system myelin. The P0 protein presumably plays a major structural role in the myelin sheath. P0 protein is composed of an intracellular, a transmembrane, and an extracellular domain that is an immunoglobulin-like domain. Antibodies against the myelin P0 protein have been detected in patients with Guillain-Barre syndrome and in patients with peripheral neuropathy. In animal models, experimental autoimmune neuritis has been induced by immunization against heterologous P0 protein, suggesting that myelin P0 protein may be a potential autoantigen involved in etiology of autoimmune diseases.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with purified myelin P0 antigen. Samples are then added to the appropriate microtiter plate wells and incubated. Then add Horseradish Peroxidase (HRP)-conjugated anti-human IgG to each well and incubate. Finally, a TMB (3,3',5, 5' tetramethylbenzidine) substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. Calculate the valence of myelin P0 antibody(IgG) in the samples.

NCBI AND UNIPROT INFORMATION

NCBI GI #	185362
NCBI Official Full Name	IgG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myelin-protein-zero-antibody-igg/80278>