bs-0426R

- ## Rabbit Anti-MOG Polyclonal Antibody

Primary Antibodies

Background:
Myelin oligodendrocyte glycoprotein (MOG) is a key CNS-specific autoantigen for primary demyelination in multiple sclerosis. Although the disease-inducing role of MOG has been established, its precise function in the CNS remains obscure. MOG is a type I integral membrane protein possessing a single extracellular Ig variable domain (Ig-V) (3, 13, 14). The amino acid sequence of MOG is highly conserved among animal species (>90%), indicative of an important biological function. MOG is specifically expressed in the CNS on the outermost lamellae of the myelin sheath as well as the cell body and processes of oligodendrocytes. The developmentally late expression of MOG correlates with the later stages of myelinogenesis, suggesting that MOG has a role in the completion, compaction, and/or maintenance of myelin, further suggesting that MOG has an adhesive function within the CNS . Consistent with MOG's possible adhesive role in the CNS, a homodimeric form of MOG has not only been observed after isolation from the CNS but has additionally been observed in situ.

Source/Purification:
KLH conjugated synthetic peptide derived from human MOG C-terminus. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20℃ for one year.

Reconstitution:
If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Rabbit

Reactivities:
Human,Mouse,Rat,Pig,Guinea Pig,

Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 28kDa

Preservatives:
10ug/uL BSA and 0.1% NaN3.