bsm-51197M **[Primary Antibody]**

PLP1 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgM
Clonality: Monoclonal
CloneNo.: 4E7
GeneID: 24943
SWISS: P60203
Target: PLP1
Immunogen: KLH conjugated synthetic peptide derived from rat PLP1: 201-277/277.
Purification: affinity purified by Protein AGL
Concentration: 1mg/1ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: PLP is a major constituent of myelin. The two isoforms of the myelin proteolipid protein, PLP and DM20, are very hydrophobic integral membrane proteins that account for about half of the protein content of adult CNS myelin. A mutation in the gene which encodes PLP is linked to Pelizaeus-Merzbacher disease (PMD), a chronic infantile type of diffuse cerebral sclerosis. The gene which encodes PLP maps to human chromosome Xq22. The glycoprotein zero (also designated P-zero or myelin peripheral protein) is the primary structural protein of peripheral myelin, and accounts for more than 50% of the protein present in the peripheral nerve sheath. Zero is an integral membrane glycoprotein. Expression of zero is restricted to Schwann cells. The gene which encodes zero maps to human chromosome 1q22. PMP22 (peripheral myelin protein 22) is a growth-regulated membrane protein which is expressed by Schwann cells and is localized primarily in compact peripheral nervous system myelin. The gene which encodes PMP22 maps to human chromosome 17p11.2.

Applications: **WB** (1:500-2000)
Reactivity: (predicted: Human, Rat)
Predicted MW.: 30 kDa
Subcellular Location: Cell membrane