

Supplementary Table. List of primary and secondary antibodies.

Antigens	Identifier Species	Source	Dilution	Target structure
Primary antibodies				
Proteolipid protein (PLP)	clone plpc1, mouse	Bio Rad	1:500	Compact myelin
Myelin basic protein (MBP)	Ab 7349, rat	Abcam	1:200	Compact myelin
Myelin associated glycoprotein (MAG)	Ab89780, mouse	Abcam	1:500	adaxonal myelin
CNPase (CNP)	clone SMI-91R, mouse	BioLegend	1:200	Myelin/oligodendrocytes
Tubulin polymerization promoting protein(TPPP/p25)	Ab92305, mouse	Abcam	1:500	Mature oligodendrocytes
Breast carcinoma-amplified sequence 1 (BCAS1)	Sc-136342, rabbit	Santa Cruz	1:500	Premyelinating/myelinating oligodendrocytes
CD68-equivalent	clone Ki-M1P, mouse	Radzun et al., 1991	1:5000	Phagocytes
Transmembrane protein 119 (Tmem119)	HPA051870, rabbit	Merck	1:250	Microglia
P2Y12 receptor (P2ry12)	NBP2-33870, rabbit	Novusbio	1:200	Microglia
Amyloid precursor protein (APP)	MAB 348, mouse	Merck	1:1000	Acute axonal damage
Glial fibrillary acidic protein (GFAP)	Z0334, rabbit	Dako	1:1000	Astrocyte
Neurofilament (NF)	M0762, mouse	Dako	1:100	Axons
Neurofilament 200 (NF200)	N0124, mouse	Sigma	1:1000	Axons
SMI31	clone SMI 31 mouse	BioLegend	1:1000	Axons
SMI32 non-/de phosphorylated NF	clone SMI 32 mouse	BioLegend	1:1000	Axons
SMI35	clone SMI 35 mouse	BioLegend	1:1000	Axons
SMI312	clone SMI312, mouse	BioLegend	1:1000	Axons
Secondary antibodies				
Alexa555-conjugated anti-rabbit IgG	A-21429, goat	Molecular Probes, Life technology	1:200	

Alexa488-conjugated anti-mouse IgG	A-21121, goat	Molecular Probes, Life technology	1:200
Alexa488-conjugated anti-rat IgG	112-545-003	Biozol	1:200
Biotin-conjugated anti-rat IgG	DAB87772	Biozol	1:200
Biotin-conjugated anti-mouse IgG	RPN 1001	GE Healthcare	1:200
Biotin-conjugated anti-rabbit IgG	111-065-114	Jackson Immuno Research	1:500
AP-conjugated anti-mouse IgG	D0486	Dako	1:50