
List of Abbreviations

A2B5	Cell surface ganglioside epitope
BDNF	Brain derived neurotropic factor
BSA	Bovine serum albumin
CaCl ₂	Calcium chloride
CNPase	Cyclic nucleotide 3' –phosphodiesterase
CNS	Central nervous system
CTXB	Cholera Toxin B-subunit
DAPI	4',6-diamidino-2-phenylindole
DMEM	Dulbecco's Modified Eagle Medium
ECM	Extracellular matrix
EGTA	Ethylene glycol-bis(β-aminoethyl ether
ERK	Extracellular signal–regulated kinases
FAK	Focal adhesion kinase
FB1	Fumonisin B1
FGF-	Fibroblast growth factor
FITC-	Fluorescein isothiocyanate
FN-	Fibronectin
GalC	Galactosylceramidase
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
GFAP	Glial fibrillary acidic protein
GFR	Growth factor receptor
GM1	Monosialotetrahexosylganglioside
HCL	Hydrochloric acid
ICC	Immunocytochemistry
KDa	Kilo Dalton

LN	Laminin
MAG	Myelin associated glycoprotein
MAPK	Mitogen activated protein kinase
MBCD	methyl- β -cyclodextrin
MBP	Myelin Basic protein
MgCl ₂	Magnesium Chloride
MOG	Myelin oligodendocyte glycoprotein
MS	Multiple Sclerosis
NaCl	Sodium chloride
NG2	Nerve/glial antigen 2
NGF	Nerve growth factor
O4	Antigen O4
OLG	Oligodendrocyte
OPC	Oligodendrocyte progenitor cell
PAGE	Polyacrylamide gel electrophoresis
PBS	Phosphate buffer saline
PDGF	Platelet-derived growth factor
PDGF-A	Platelet-derived growth factor-alpha
PDGFR α	Platelet-derived growth factor receptor-alpha
PLL	Poly-L-lysine
PLP	Proteolipid protein
RTK	Receptor Tyrosine Kinase
SVZ	Subventricular zone
TBS	Tris buffered saline
TBST	Tris-buffered saline, 0.1% Tween 20
TRITC	Tetramethylrhodamine

$\alpha_v\beta_1$	Alpha-v beta-1 integrin
$\alpha_v\beta_3$	Alpha-v beta-3 integrin
β Actin	Beta actin