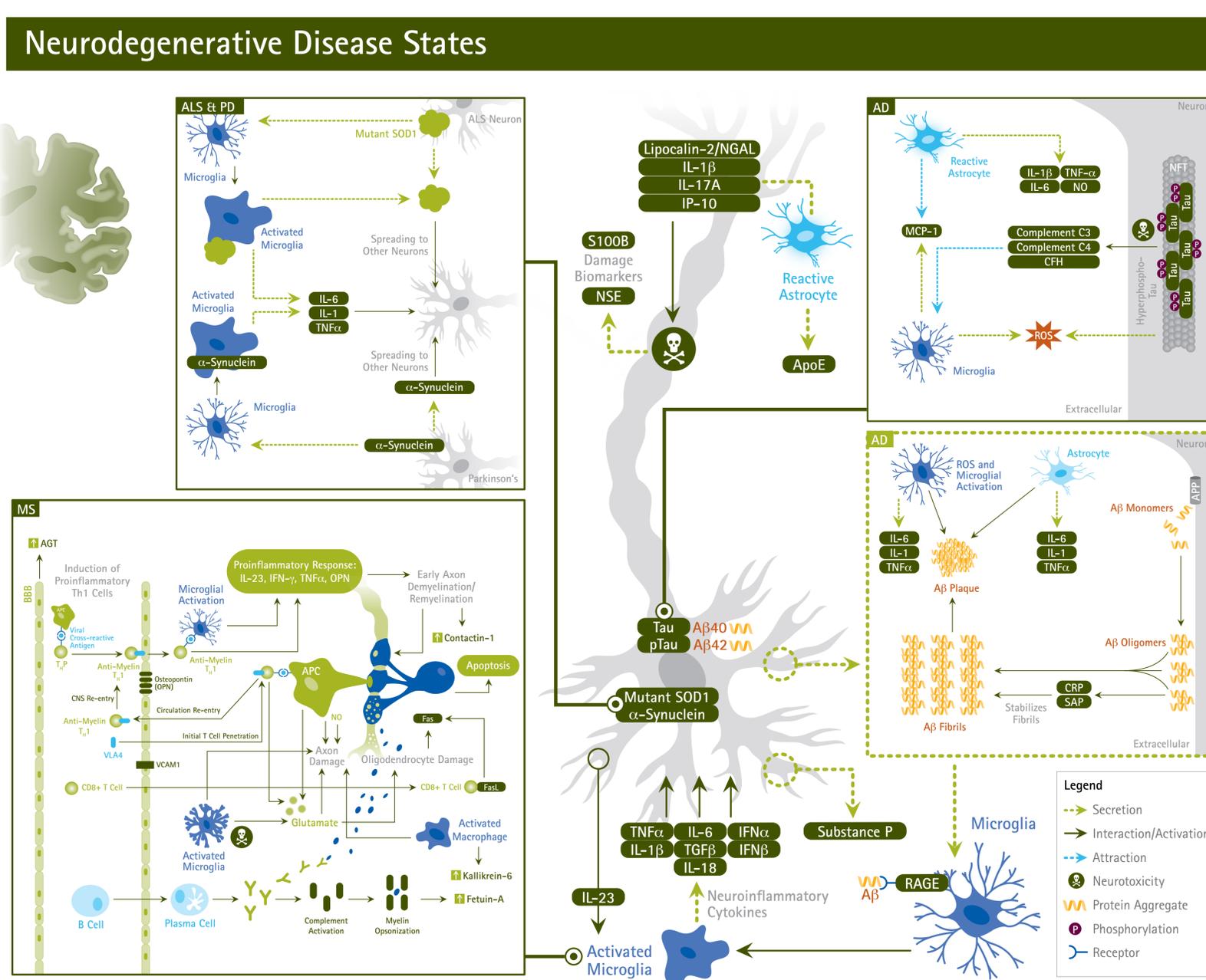
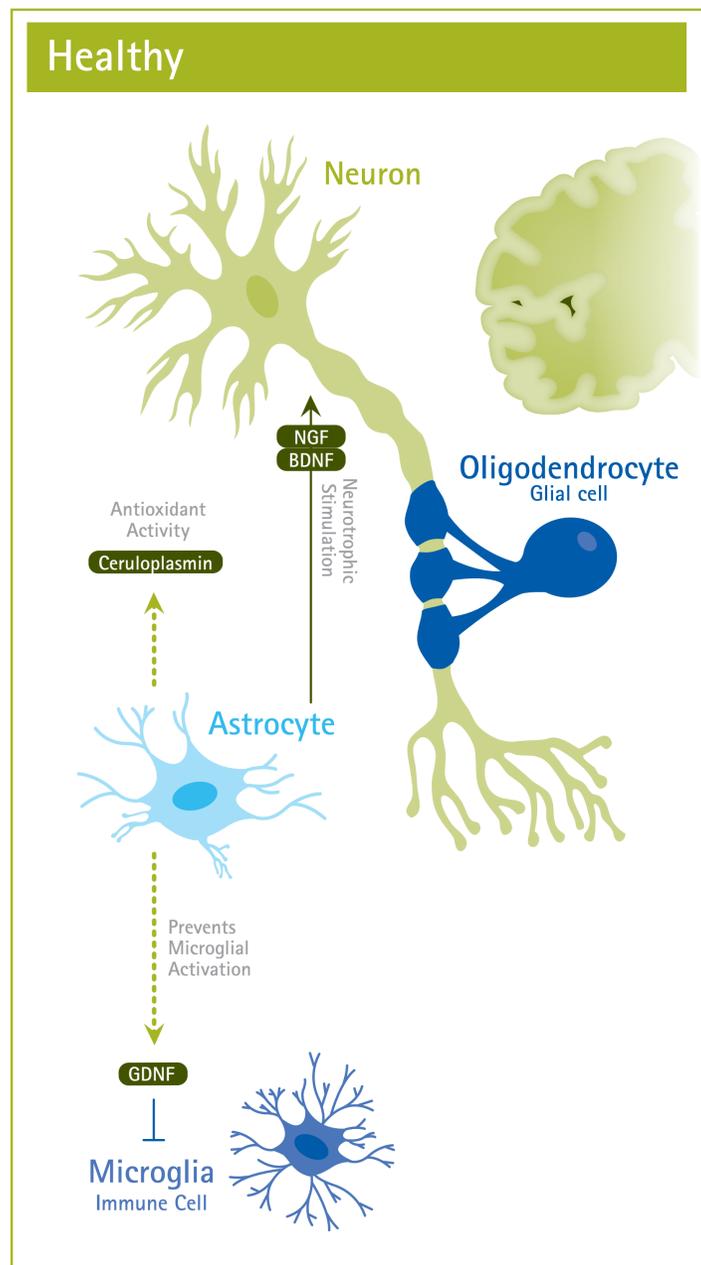


# Inflammation in Neurodegenerative Diseases



**MILLIPLEX® MAP**  
Bring your biomarkers to life.

The best, most relevant multiplex assays for neuroscience and immunology research.

Research points to inflammation playing a role in many neurological disorders, such as Alzheimer's Disease (AD), Parkinson's Disease (PD), Amyotrophic Lateral Sclerosis (ALS) and Multiple Sclerosis (MS). Since no single biomarker can tell you all you need to discover the role of inflammation in neurological disorders, Merck Millipore enables you to measure multiple circulating or intracellular biomarkers related to neuroinflammation in a single, small sample, using our extensive list of multiplex assay panels.

MILLIPLEX® MAP multiplex assays give you a head start on your research by enabling you to work faster and smarter than with traditional techniques, saving sample, time, labor and cost with our consistent, high-quality assays.

[www.merckmillipore.com](http://www.merckmillipore.com)

Merck Millipore is a division of

- Research areas covered by our panels include:
- Neuroscience
  - Inflammation/ Immunology
  - Immune Response
  - Metabolism
  - Cellular Metabolism
  - Cell Signaling

### MILLIPLEX® MAP Human Panels

For a complete list of all available analytes, visit: [www.merckmillipore.com/milliplex](http://www.merckmillipore.com/milliplex)

Biomarker Panel	Analytes Listed in Figure (above)	Cat. No.
Neurodegenerative Disease Panel 1	ApoE, Complement C3, Complement Factor H	HNDG1MAG-36K
Neurodegenerative Disease Panel 2	Complement C4, CRP, Serum Amyloid P (SAP)	HNDG2MAG-36K
Neurodegenerative Disease Panel 3	BDNF	HNDG3MAG-36K
Neurodegenerative Disease Panel 4	Amyloid $\beta$ 1-40, Amyloid $\beta$ 1-42, GDNF, S100B	HNDG4MAG-36K
Neurological Disorders Panel 1	$\alpha$ -Synuclein, NGF, NSE, Tau (total), Tau (Thr231)	HND1MAG-39K
Neurological Disorders Panel 2	Ceruloplasmin, Serum Amyloid P (SAP)	HND2MAG-39K
Neurological Disorders Panel 3	Angiotensinogen (AGT), Contactin-1, Fetuin-A, Kallikrein-6, Osteopontin (OPN), SOD1	HND3MAG-39K
Neuropeptide Panel	Substance P	HNP1MAG-35K
Pituitary Panel 2	BDNF	HPTP2MAG-66K
Sepsis Panel 3	Lipocalin-2/NGAL	HSP3MAG-63K
Cytokine/Chemokine Panel I	IL-1 $\beta$ , IL-6, IL-17A, IP-10, MCP-1, TNF $\alpha$	HCTOMAG-60K
Cytokine/Chemokine Panel II	IL-23	HCP2MAG-62K
Th17 Panel	IL-1 $\beta$ , IL-6, IL-17A, TNF $\alpha$	HTH17MAG-14K
CD8+ T Cell Panel	Fas, FasL, TNF $\alpha$	HCD8MAG-15K