

# Neuroinflammation Research

Activated microglia and reactive astrocytes are involved in the pathophysiology of nearly all neurodegenerative diseases. Choose the best tools from Proteintech for accurate visualization and characterization of these neural cell types and the detection of pro-inflammatory cytokines.

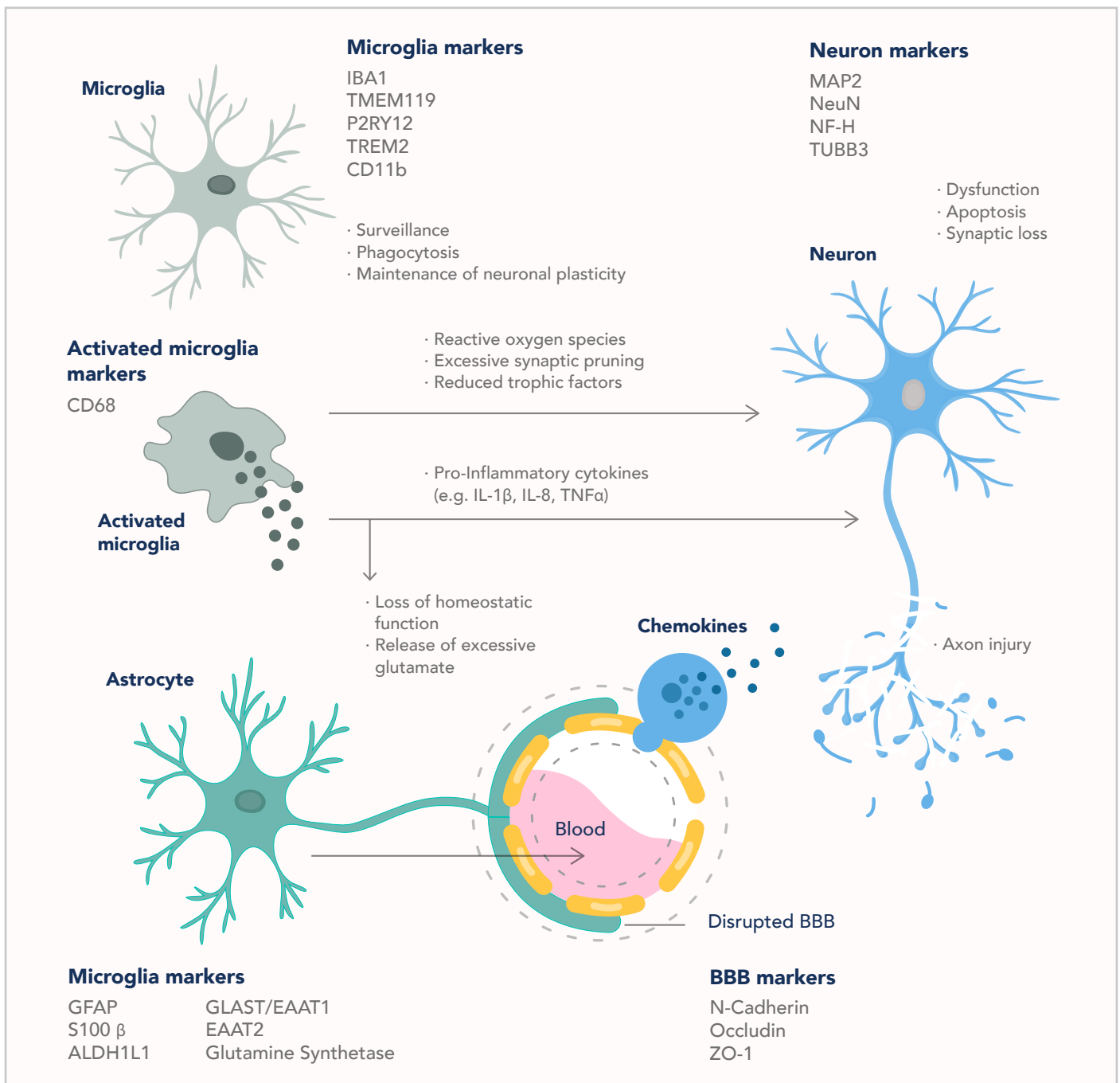


Image adapted from Leng & Edison, 2021, *Nature Reviews Neurology*. PMID: 33318676.

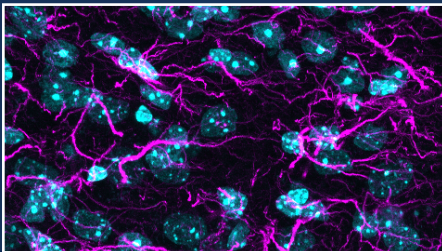
# Popular products for neuroinflammation research

## Microglia marker antibodies

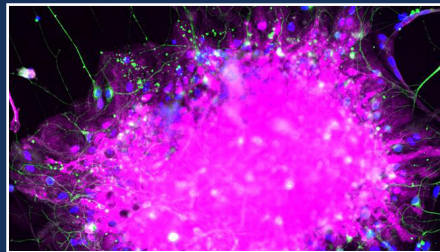
IBA1	Polyclonal	IHC, IF, ELISA
	Monoclonal	WB, IHC, IF, ELISA
	Recombinant	WB, IHC, ELISA
	CoraLite conjugated	IF
TMEM119	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, FC, ELISA
P2RY12	Polyclonal	WB, ELISA
TREM2	Polyclonal	WB, IF
CD11B	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, IHC, IF, FC, ELISA
	CoraLite conjugated	FC
CD68	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	IHC, IF, FC, ELISA
	CoraLite conjugated	IF, FC

## Astrocyte marker antibodies

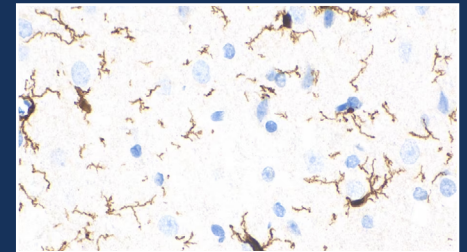
GFAP	Polyclonal	WB, IHC, IF, ELISA
	Monoclonal	WB, IHC, IF, ELISA
	Recombinant	WB, IHC, IF, ELISA
	CoraLite conjugated	IF
S100 $\beta$	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, IHC, IF, ELISA
	CoraLite conjugated	IF
ALDH1L1	Human ELISA Kit	Serum, plasma, cells
	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, IHC, IF, ELISA
CD68	CoraLite conjugated	IF
	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, IHC, IF, ELISA
	CoraLite conjugated	IF, FC (intra)



CoraLite<sup>®</sup>488 conjugated polyclonal **GFAP** antibody (pink), DAPI (cyan). Mouse hindbrain. Image by L. Chrobok.



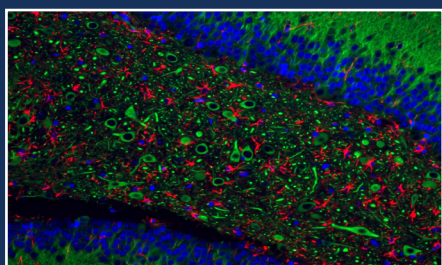
**S100 beta** polyclonal antibody (magenta), **TUBB3** monoclonal antibody (green). Human iPSC derived astrocytes.



**IBA1** recombinant antibody, IHC analysis. Paraffin-embedded rat brain tissue.

## Neuron marker antibodies

NeuN	Polyclonal	WB, IHC, IF, ELISA
	Monoclonal	IHC, IF, ELISA
	CoraLite conjugated	IF, FC (intra)
MAP2	Polyclonal	WB, IHC, IF, FC, ELISA
	Monoclonal	WB, IHC, IF, FC, ELISA
	CoraLite conjugated	IF
TUBB3	Monoclonal	WB, IHC, IF, FC, ELISA
	CoraLite conjugated	WB, IF, FC (intra)
NF-H	Polyclonal	WB, IHC, IF, ELISA
	Monoclonal	WB, IHC, IF, FC, ELISA



CoraLite<sup>®</sup> 488 conjugated polyclonal **MAP2**, antibody (green), CoraLite<sup>®</sup> 594 conjugated polyclonal **GFAP** antibody (red). Rat hippocampus.

## ELISA kits for pro-inflammatory cytokines

IL-1 $\beta$	Human	KE10003
	Mouse	KE00021
	Rat	KE20005
TNF $\alpha$	TNF alpha	KE00154
	Mouse	KE10002
	Rat	KE20018
IL-8	IL-8	KE00275



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