

Illustrative examples of antibodies optimised for IMC by IHC and IF

Fixed *post mortem* human brain tissue was stained using the following standardised protocols:

[Immunofluorescence Staining.docx](#)

[Supersensitive kit IHC protocol.docx](#)

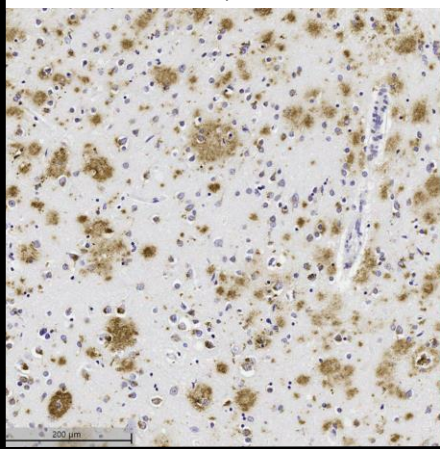
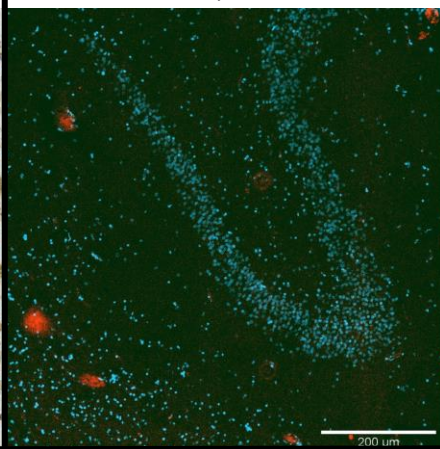
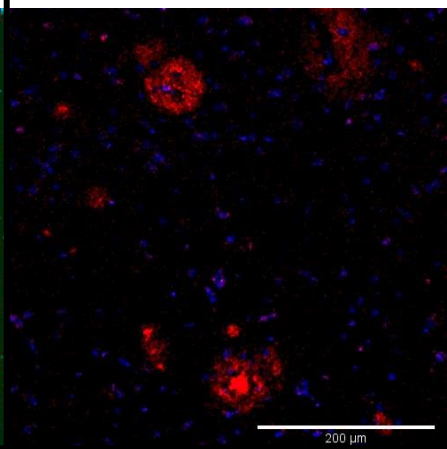
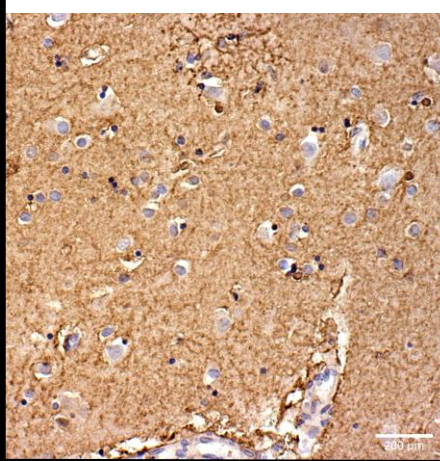
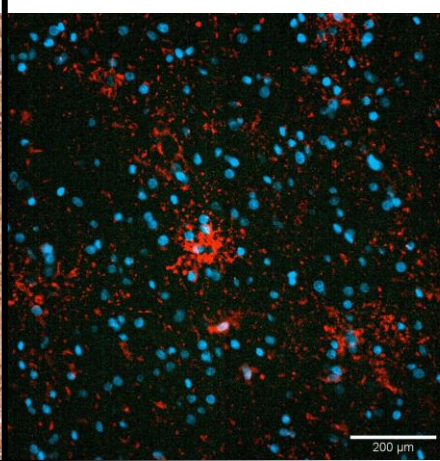
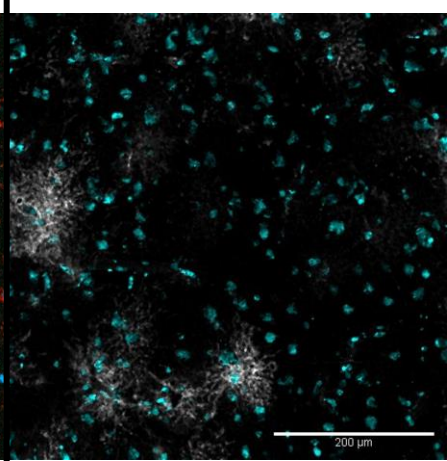
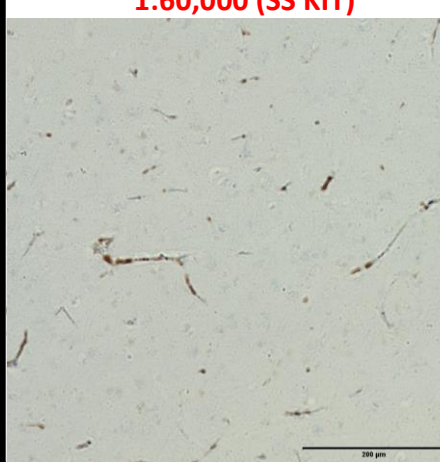
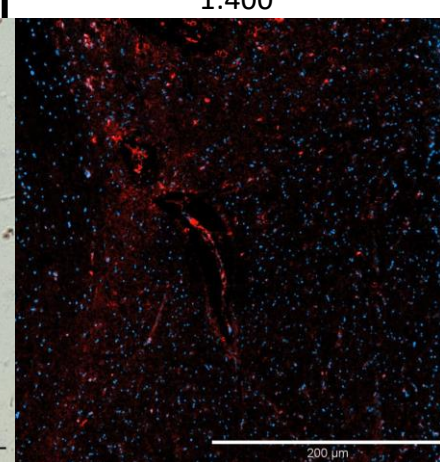
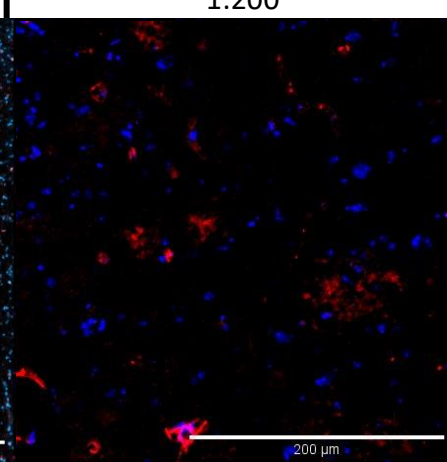
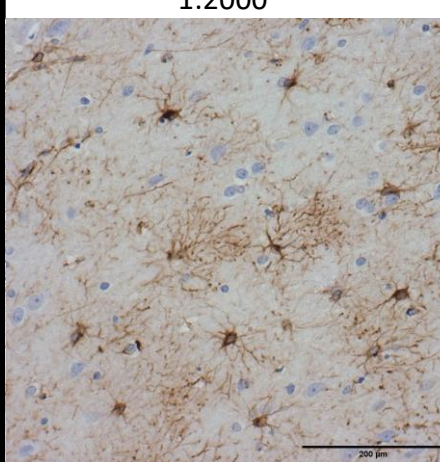
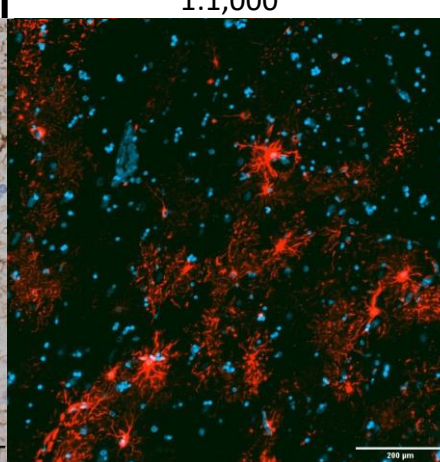
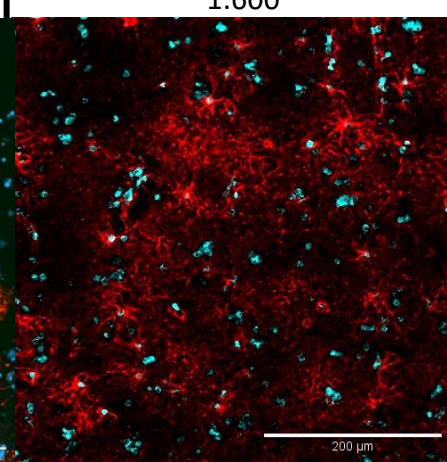
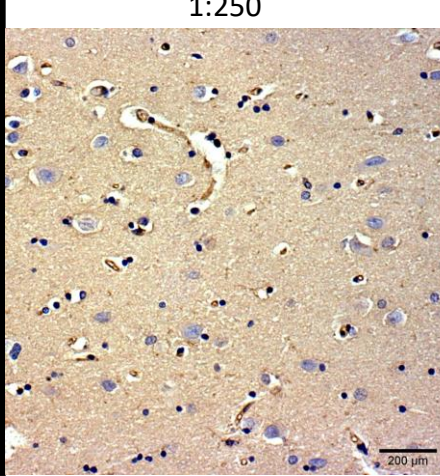
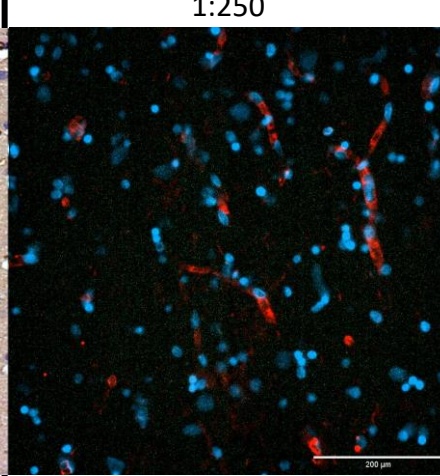
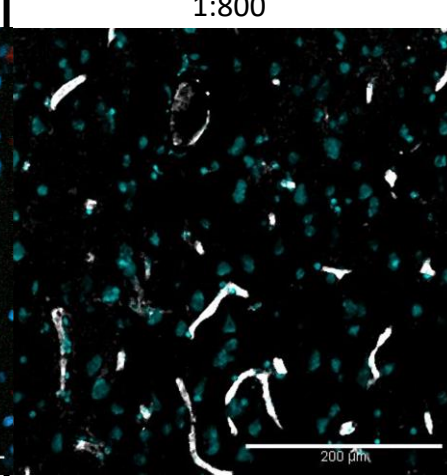
[Impress kit IHC protocol.docx](#)

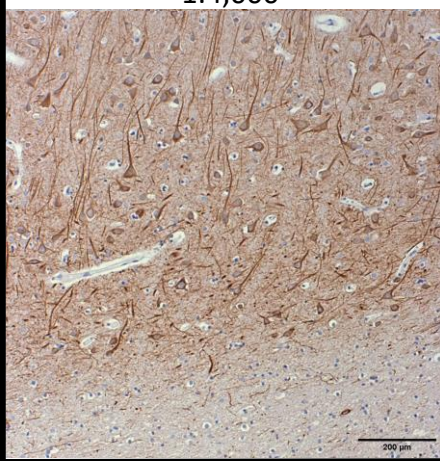
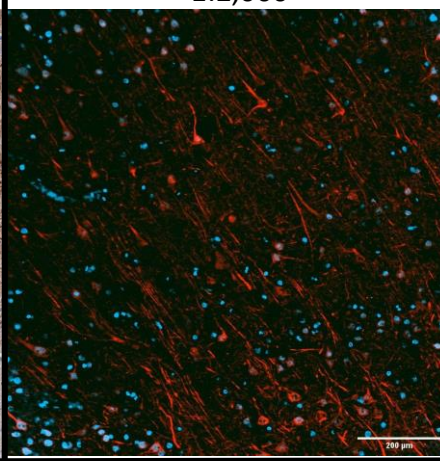
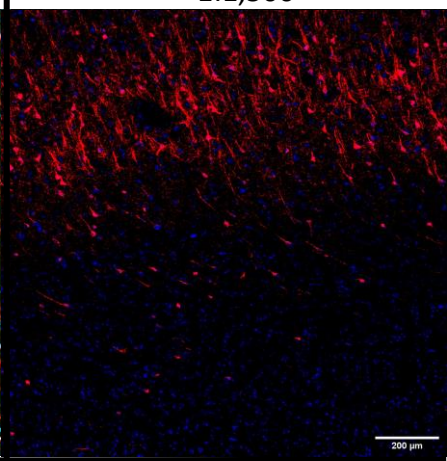
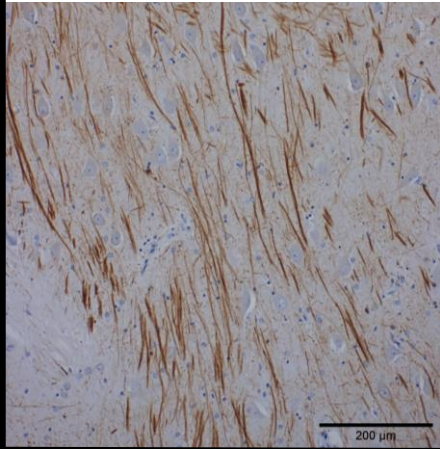
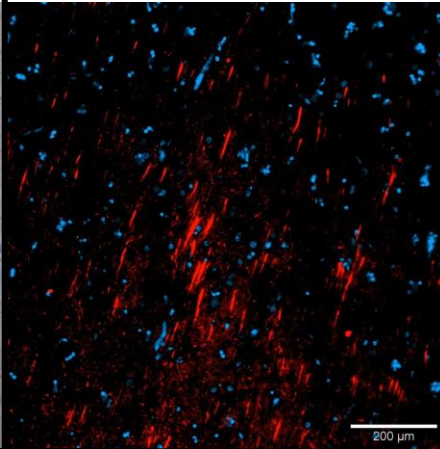
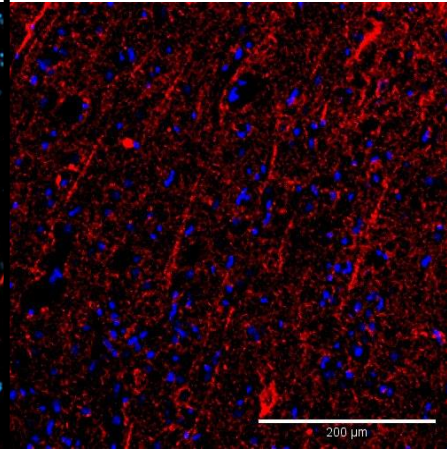
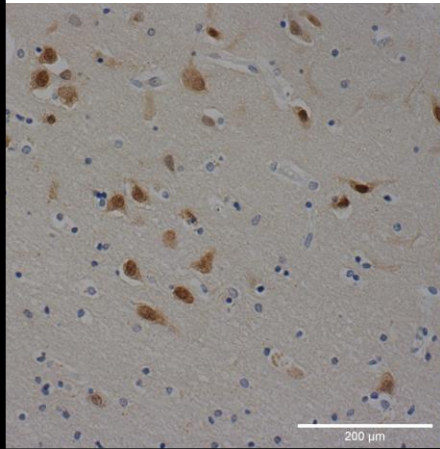
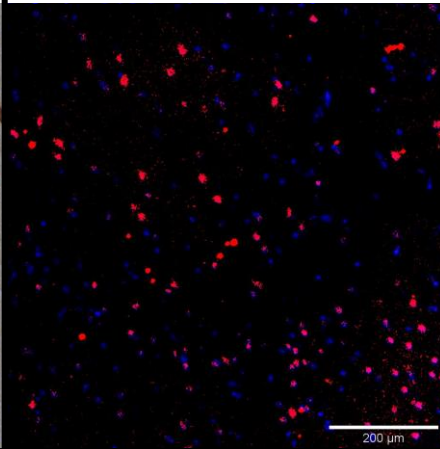
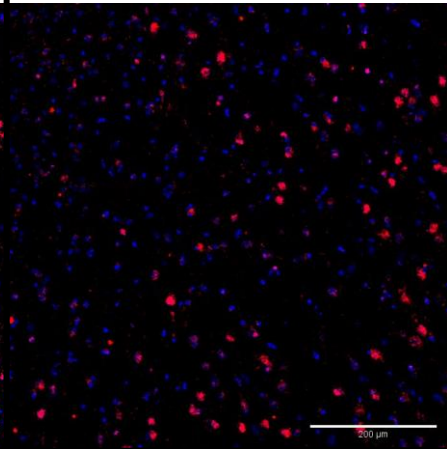
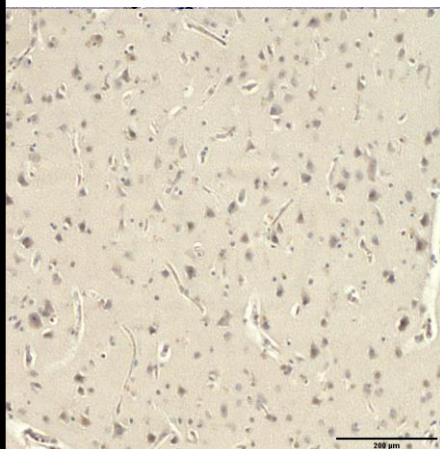
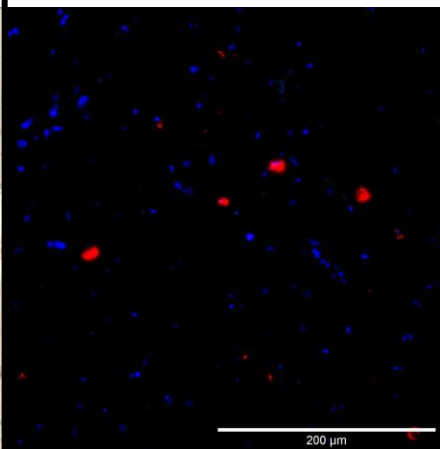
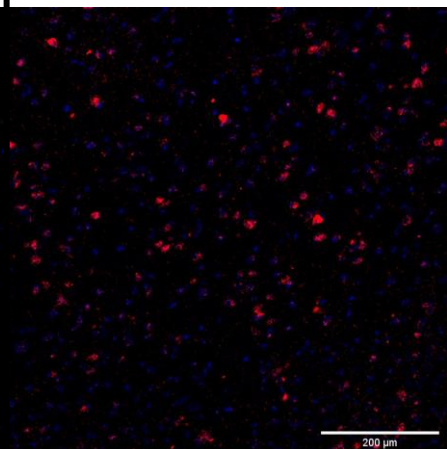
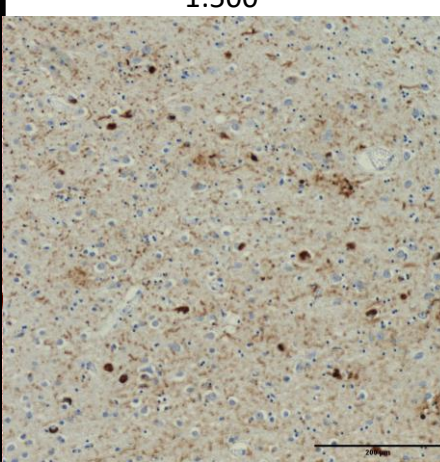
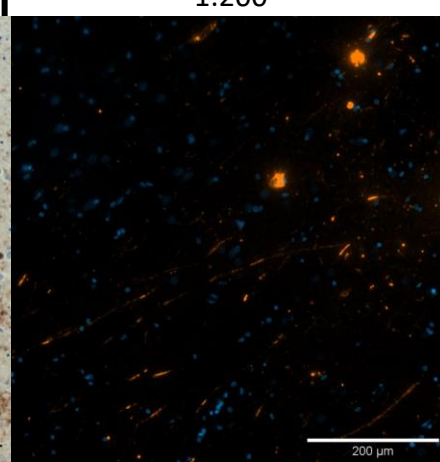
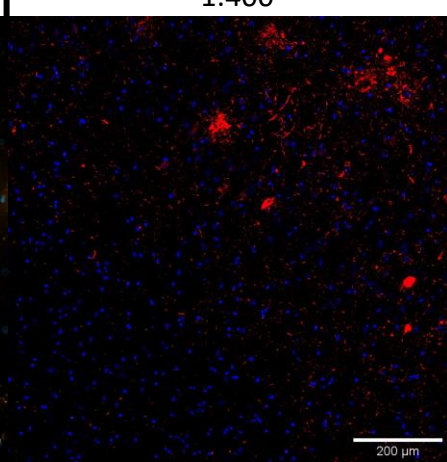
[Imaging Mass Cytometry - Detailed Methodology.docx](#)


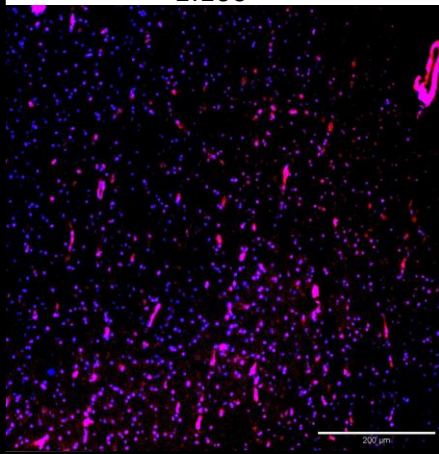
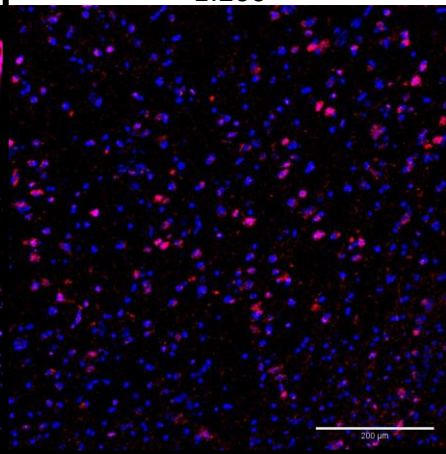
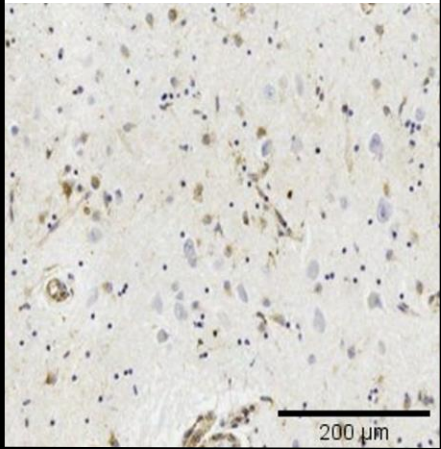
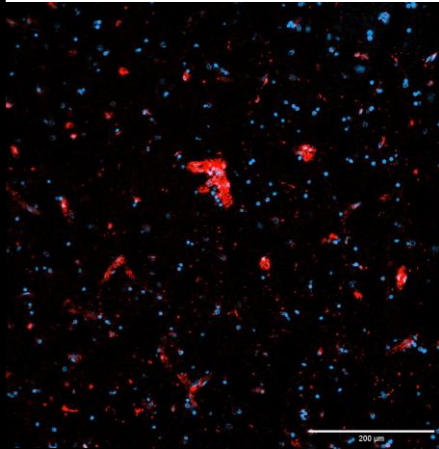
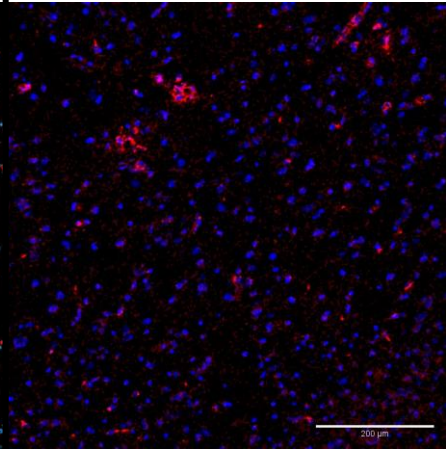
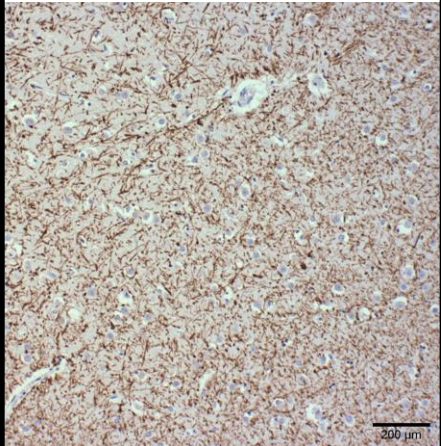
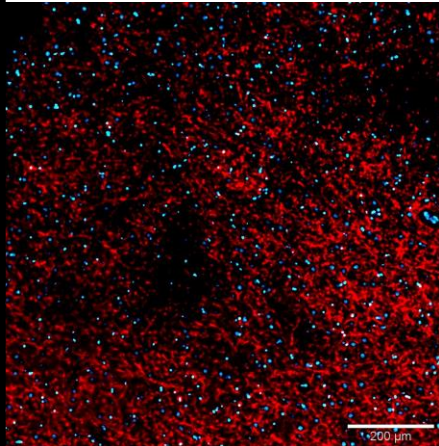
Users must follow their own local rules and health and safety procedures.

It should be noted that images are NOT from the same section. Nuclei stained with DAPI are shown in blue. The marker of interest is in red, magenta or white.

If you use our SOPs/protocols, please acknowledge us in your publications as follows: 'Protocols were adapted from those used in the UKDRI Multi-'omics Atlas Project'

1°	IHC	IF	IMC
Amyloid-Beta - Mouse BioLegend (800711)	1:10,000 	1:1,500 	1:500 
AQP4 - Rabbit Abcam (ab248213)	1:500 	1:100 	1:400 
Fibrinogen - Rabbit Dako/aligent (A0080)	1:60,000 (SS KIT) 	1:400 	1:200 
GFAP - Rabbit Dako (Z0334)	1:2000 	1:1,000 	1:600 
GLUT1 - Rabbit Abcam (ab252403)	1:250 	1:250 	1:800 

1 ^o	IHC	IF	IMC
MAP2 – Rabbit Abcam (ab236033)	1:4,000 	1:2,000 	1:1,500 
NfL – Rabbit Abcam (ab238420)	1:6,000 	1:200 	1:400 
NeuN – Mouse Merck (MAB377)	1:1,000 	1:250 	1:800 
p62 – Rabbit Abcam (ab227992)	1:1,000 	1:20 	1:200 
P-Tau – Mouse Thermofisher (MN1020)	1:500 	1:200 	1:400 

1°	IHC	IF	IMC
TREM2 – Rabbit Merck (ABN1471)	1:1,000 	1:100 	1:200 
TSPO – Rabbit Abcam (ab213654)	1:500 	1:2,000 	1:400 
PLP – Mouse Invitrogen (MA1-80034)	1:2,000 	1:750 	1:800 