**Supplementary File 4. Antibodies used in the study**

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| Antibody | Manufacturer  | Catalogue number |
| FITC anti-mouse CD3 | BioLegend | 100203 |
| FITC Rat IgG2b, κ Isotype Ctrl | BioLegend | 400605 |
| PerCP/Cy5.5 anti-mouse/human CD11b | BioLegend | 101227 |
| PerCP/Cy5.5 Rat IgG2b, κ Isotype Ctrl | BioLegend | 400631 |
| APC anti-mouse CD19 | BioLegend | 152409 |
| APC Rat IgG2a, κ Isotype Ctrl Antibody | BioLegend | 400511 |
| TruStain fcX™ (anti-mouse CD16/32) | BioLegend | 101319 |
| FAM76B monoclonal antibody (mouse) | Homemade |  |
| Rabbit anti-hnRNPA2B1 polyclonal antibody | Abcam | ab31645 |
| Mouse anti-Flag monoclonal antibody  | Cell signaling  | 14793 |
| Goat anti-IBA1 polyclonal antibody  | Abcam | ab5076 |
| Mouse anti-GAPDH monoclonal antibody | Proteintech | 60004-1-Ig |