# Supplementary materials

## Figure S1

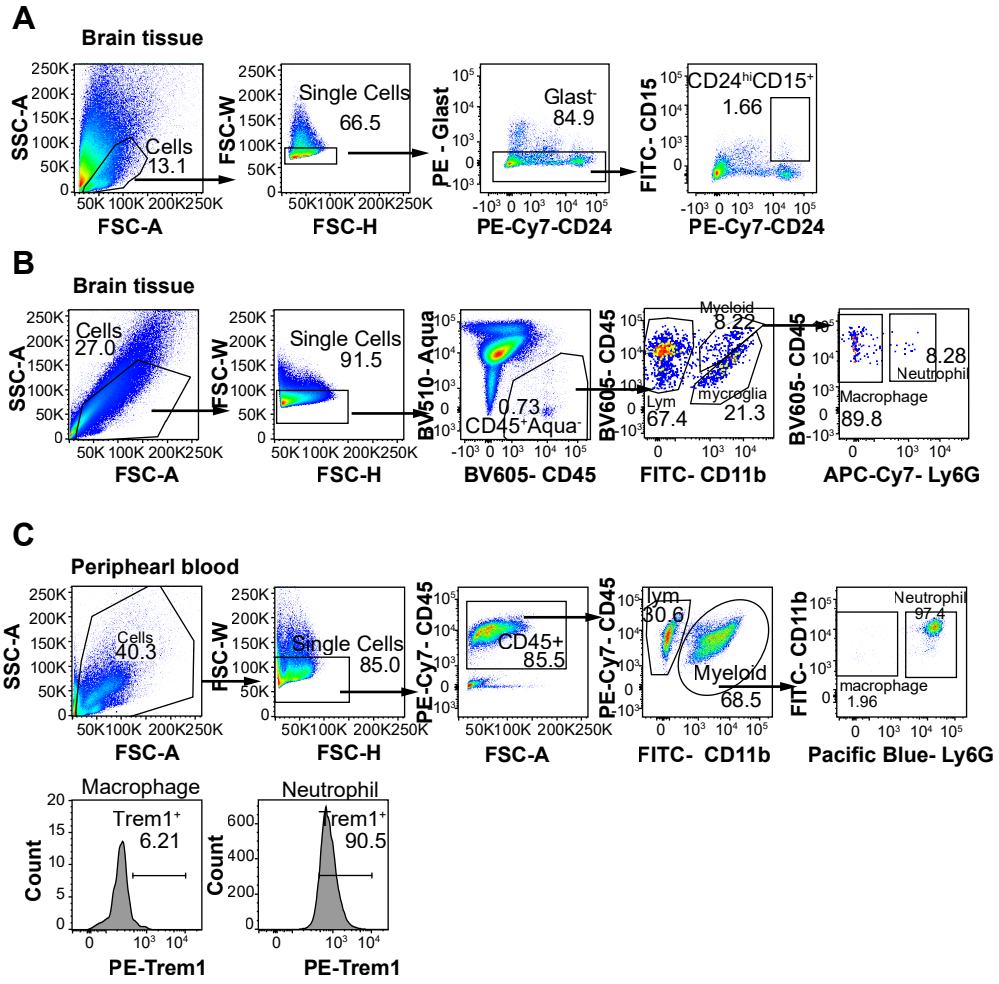


**Figure S1. Gating strategies of neural progenitors and immune cells in mouse brain tissues and peripheral blood.**

(**A**) Gating strategy to identify neural progenitors (Glast$^{-}$ CD24$^{hi}$ CD15$^{+}$) in infarct area of mouse brain. (**B**) Gating strategy to identify lymphocytes (CD45+ CD11b-), microglia (CD45$^{+}$ CD11b$^{low}$), macrophage (CD45$^{+}$ CD11b$^{+}$ Ly6G$^{-}$) and neutrophils (CD45$^{+}$ CD11b$^{+}$ Ly6G$^{+}$) in infarct area of mouse brain. (**C**) Gating strategy to identify lymphocytes, myeloid cells (CD45$^{+}$ CD11b$^{+}$), macrophage (CD45$^{+}$ CD11b$^{+}$ Ly6G$^{-}$) and neutrophils (CD45$^{+}$ CD11b$^{+}$ Ly6G$^{+}$) and Trem1 expression of macrophage and neutrophil in mouse peripheral blood.

# Figure S2

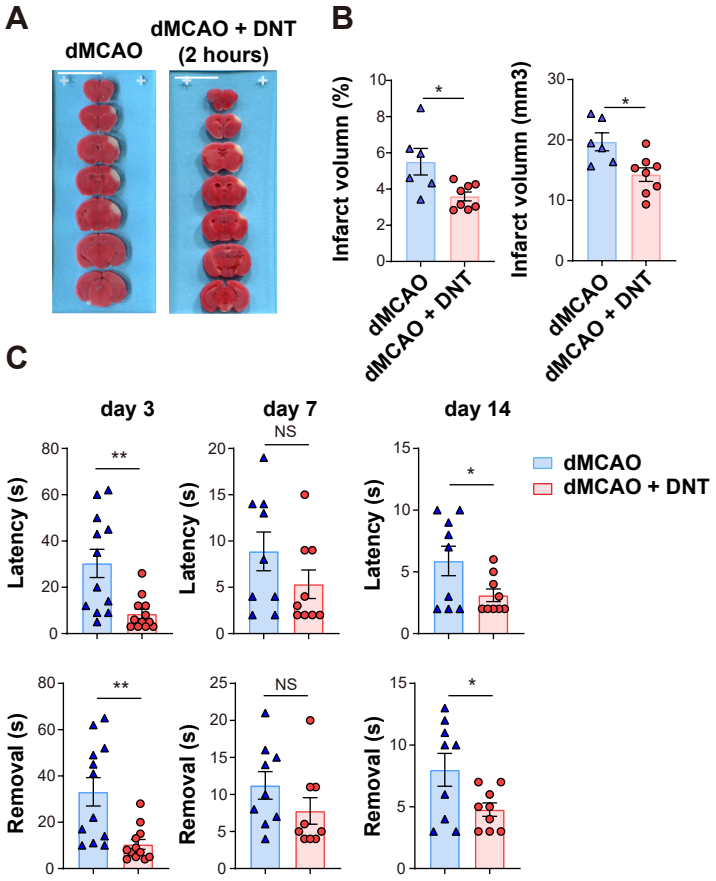


**Figure S2. Double-negative T (DNT) cell treatment 2 h after ischemic stroke promotes the recovery.**

DNT cells were administered 2 h after occlusion of the distal branches of the middle cerebral artery (dMCAO) and 2,3,5-triphenyltetrazolium chloride (TTC) staining was performed 3 d after dMCAO. (**A**) TTC staining of brain slices 3 d after ischemic stroke showing the infarct area in the cortex (white). (**B**) Relative proportion and direct quantification of the infarct volume by TTC staining. n = 6-8 mice/group. (**C**) Sensorimotor functions after DNT cell treatment were assessed through adhesive-removal tests at day 3, 7, and 14 after dMCAO. Two-tailed unpaired Student's *t* test. **P* < 0.05. Data are mean ± SEM.

# Figure S3

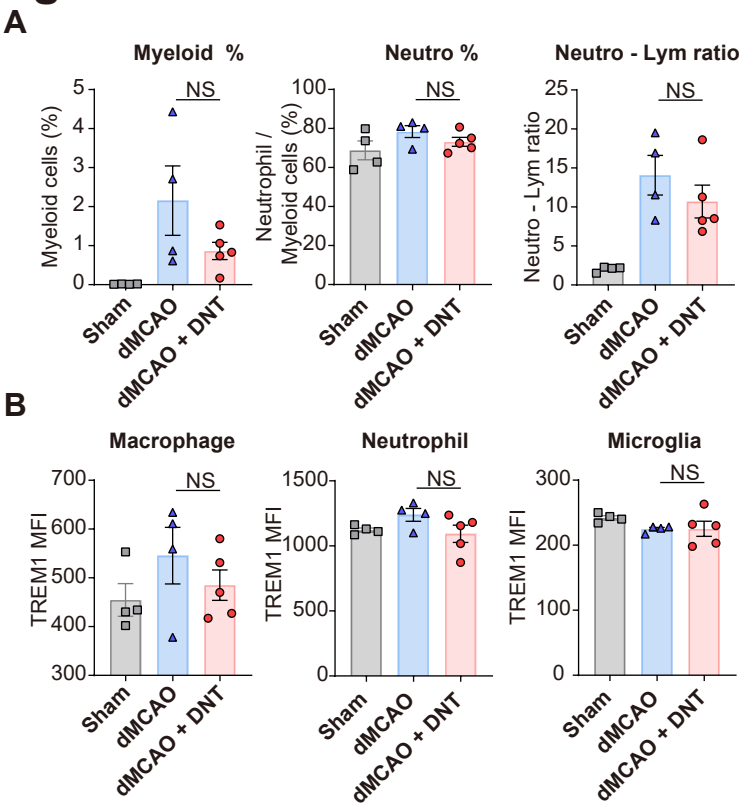


**Figure S3. Double-negative T (DNT) cells could not significantly impact the local myeloid cell differentiation 24 h after occlusion of the distal branches of the middle cerebral artery (dMCAO).**

(**A**) Proportions of $CD45^{+}CD11b^{hi}$ myeloid cell, $CD45^{+}CD11b^{hi}$ $Ly6G^{hi}$ neutrophil, and neutrophil–lymphocyte ratio were detected by flow cytometry. (**B**) Trem1 MFI of myeloid cell were detected by flow cytometry. n = 4–5 mice/group. Analysis of variance (ANOVA). NS indicates not significant. Data are mean ± SEM.