

Online Resource 14

Microglial cell loss after ischemic stroke favors brain neutrophil accumulation

ACTA NEUROPATHOLOGICA

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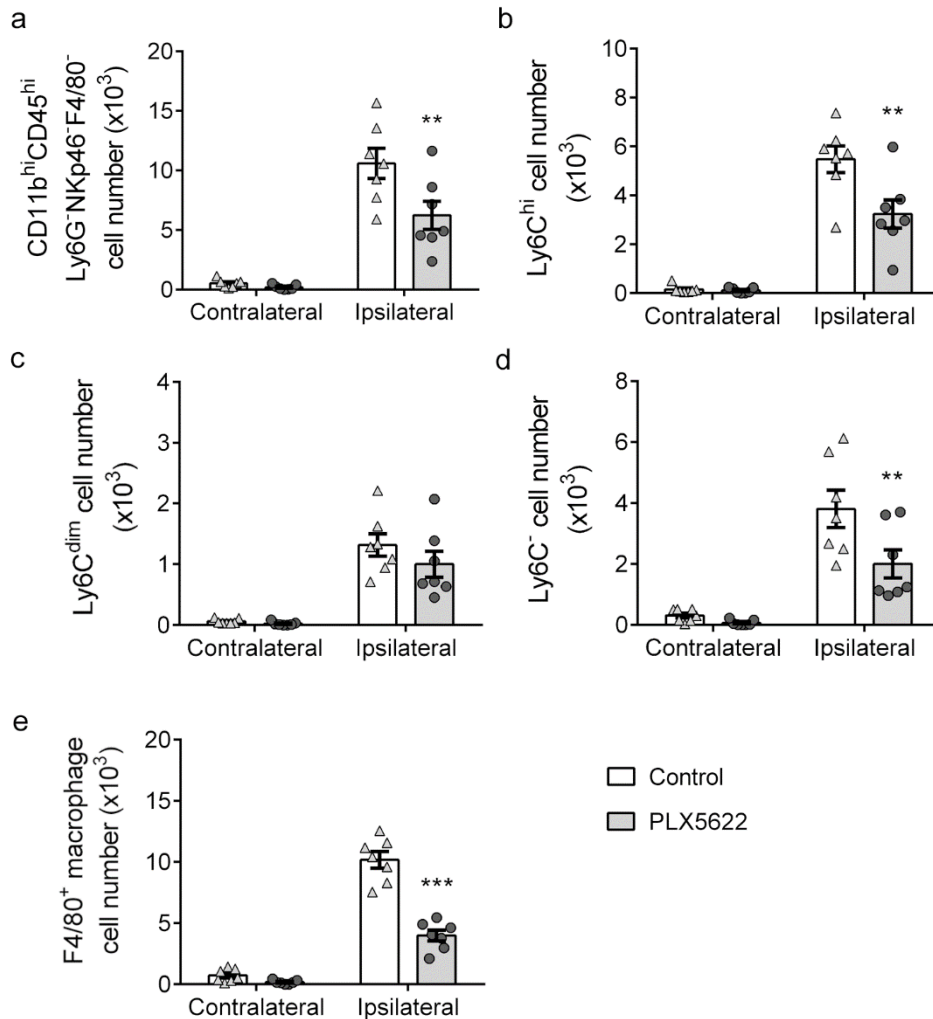
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Online Resource 14. Brain infiltrating monocyte/macrophages 4 days post-ischemia. Mice received control diet or PLX5622 diet (n=7 per group) for 3 weeks prior to induction of ischemia and the contralateral and ipsilateral (ischemic) brain hemispheres were studied at day 4 post-ischemia by flow cytometry. a) PLX5622 reduced the number of monocytes (CD11b^{hi} CD45^{hi} Ly6G⁻NKp46⁻ F4/80⁻ cells) infiltrating the ipsilateral brain hemisphere. b-d) Amongst them, the subset of Ly6C^{dim} monocytes was not affected by the treatment (c), but the numbers of Ly6C^{hi} (b) and Ly6C⁻ (d) monocytes decreased after PLEX5622. d) F4/80⁺ macrophages also decreased in mice receiving the PLX5622 diet. Two-way ANOVA by treatment and brain hemisphere with subject matching followed by the Bonferroni test, ** p<0.01, *** p<0.001. Bars show the mean ± SEM and points indicate the values of individual mice.