



Corrigendum: CX3CR1 But Not CCR2 Expression Is Required for the Development of Autoimmune Peripheral Neuropathy in Mice

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A Corrigendum on

CX3CR1 But Not CCR2 Expression Is Required for the Development of Autoimmune Peripheral Neuropathy in Mice

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In the original article, there was a mistake in **Figure 6** as published. The wrong representative FACS plot was inserted for L31/CCR2KO in **Figure 6A**. The corrected **Figure 6** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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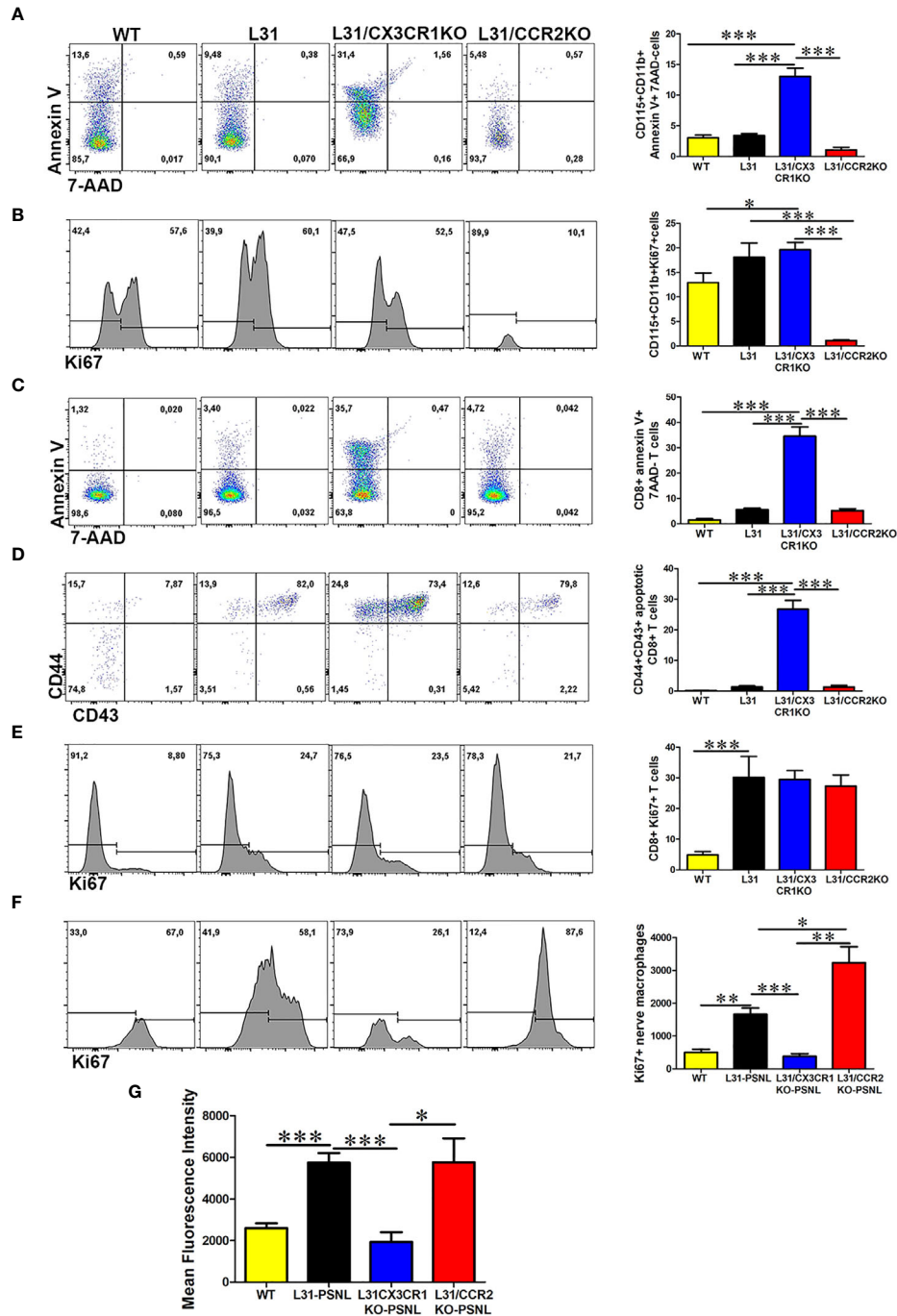


FIGURE 6 | The impact of CX3CR1 and CCR2 deficiency on monocyte/macrophage and CD8⁺ T cells survival and function in L31 mice. **(A)** Representative flow cytometry plot and quantitative analysis of monocytes apoptosis. Compared to L31 and L31/CCR2KO mice, increased monocyte death was observed in the blood of L31/CX3CR1KO mice. **(B)** Similar level of cell proliferation was seen in L31 and L31/CX3CR1KO mice, indicating that no enhanced proliferation occurred to compensate the increased cell death. Monocyte cell proliferation was barely detectable in L31/CCR2KO mice. **(C)** CD8⁺ T cells apoptosis (Annexin V⁺/7-AAD⁻) was observed essentially in L31/CX3CR1KO mice. **(D)** The majority of apoptotic CD8⁺ T cells were of the activated phenotype (CD44⁺CD43⁺). **(E)** Proliferation of CD8⁺ T cells was similar in all three groups, L31, L31/CX3CR1KO and L31/CCR2KO mice, showing no enhanced proliferation to compensate for CD8⁺ T cell death in L31/CX3CR1KO mice. **(F)** Macrophage proliferation was strongly enhanced in L31/CCR2KO mice, 87% (Ki67⁺ cells over total nerve macrophages (F4/80CD11b) in L31/CCR2KO mice and 58% in L31 mice. **(G)** Mean fluorescent intensity (MFI) depicts the amount of phagocytosed beads by nerve macrophages. The highest MFI was observed in L31 and L31/CCR2KO mice, which was significantly reduced in L31/CX3CR1KO mice. Quantification in A-E depicted the number of cells per μ l blood. Quantification in F depicted the number of cells per a segment of 2 cm long sciatic nerve. Disease was induced by PSNL, and experiments done 30 days post PSNL. n=5-6/group; student's t test; *p < 0.05; **p < 0.01; ***p < 0.001.