

Review of: "Orai1 Mediated Calcium Influx Improves Sepsis-induced T Lymphocyte Immunosuppression and Acute Organ Dysfunction"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

The manuscript by Chen et al. provide insight in the role of Orai1 in sepsis induced T cell lymphocyte immunosuppression and acute organ dysfunction. The studies is very extensive and timely. Nevertheless, I suggest a few adaptations:

1. 88 lines of mouse anesthesia is recommended to be written in the CLP modeling part.
2. Fig. 10, the ordinate of the statistical result is "fluorescence intensity increase". The annotation in the figure is detected by CCK8. Is the picture placed incorrectly?
3. The color of the same group in the statistical histogram should be consistent. For example, the gray levels of each group in Figure 5 are inconsistent.
4. There is a misspelled word on line 91. It should be "Polymicrobial".
5. Line 104 needs to slightly state the process from spleen to mononuclear cells.
6. Should the leukocytes in line 157 be changed to lymphocytes?
7. The Treg data in Figure 3 deviates from the picture and needs to be remade.
8. The author needs to further check the full text of the manuscript to improve the quality of the article.