

CD163⁺CD204⁺ tumor-associated macrophages contribute to T cell regulation via interleukin-10 and PD-L1 production in oral squamous cell carcinoma

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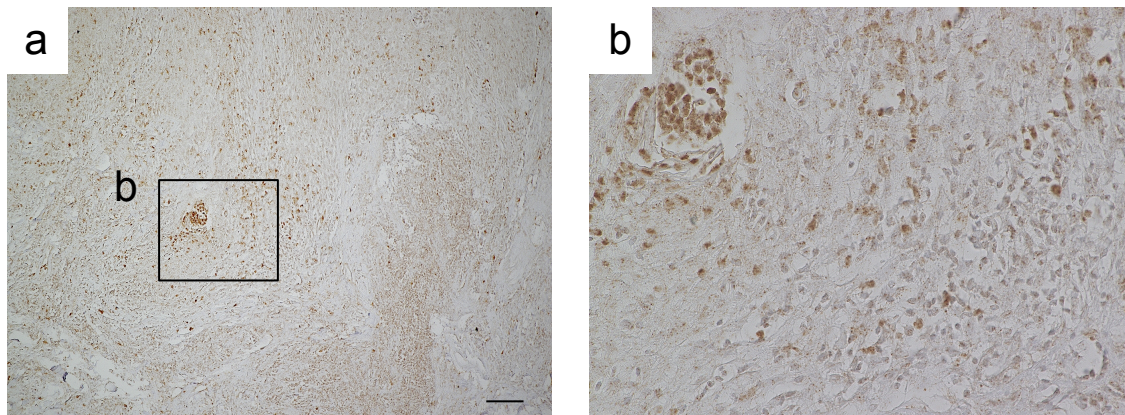
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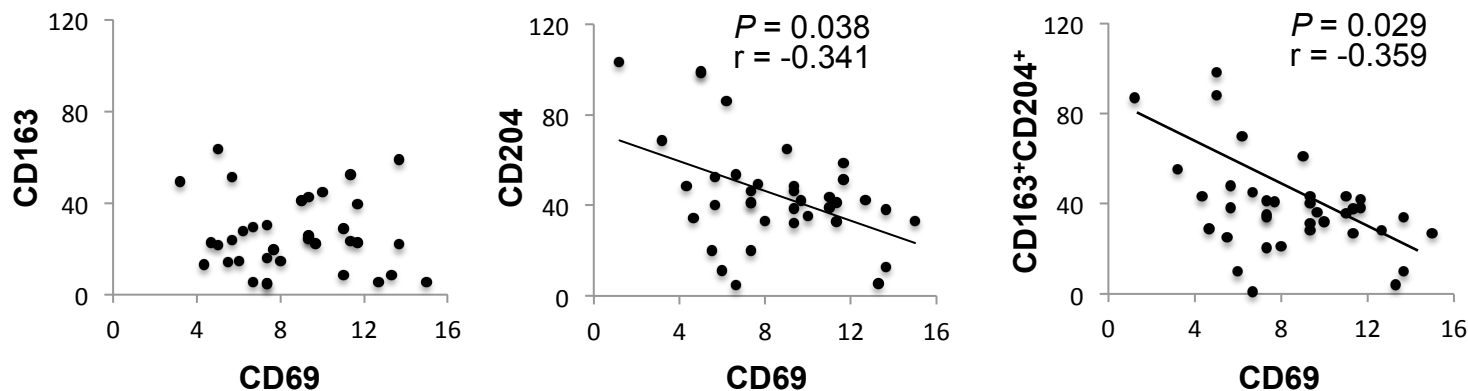
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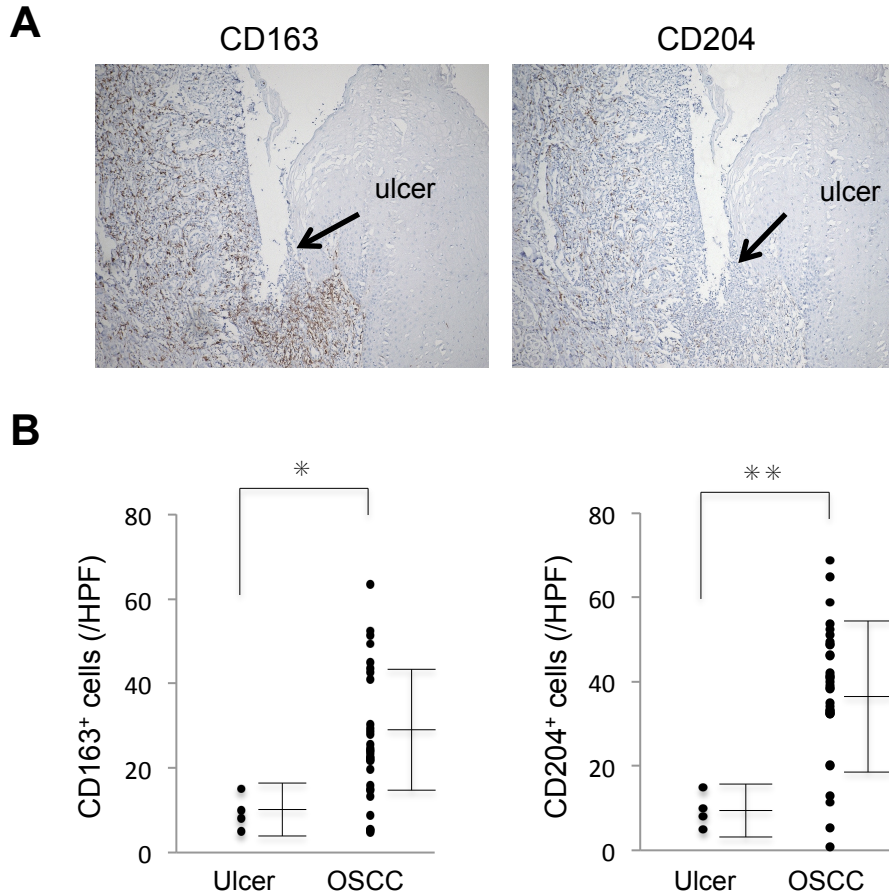
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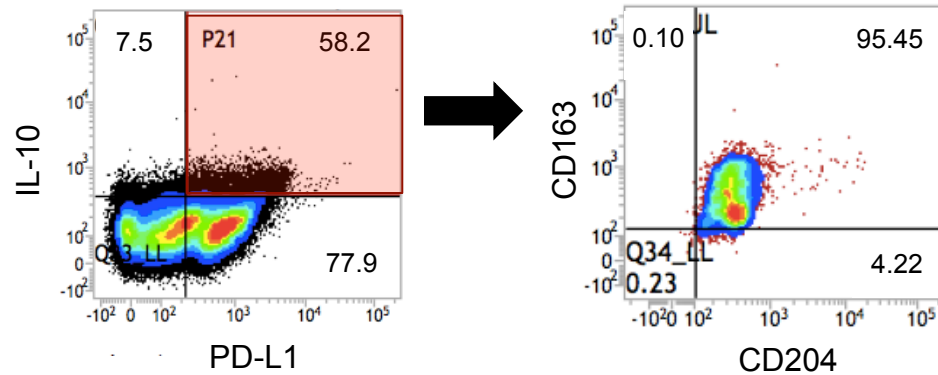
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Supplementary Figure 1. Expression and localization of TAMs in OSCC patients. (A) Representative images of paraffin sections around tumor stained with CD69 antibodies (brown) Counterstaining with Mayer's hematoxylin is shown in blue. Scale bars, 100 μ m. (B) Correlation between the number of CD163⁺, CD204⁺ or CD163⁺CD204⁺ and CD69⁺ cells in 36 OSCC patients. Statistically significant differences between groups were determined by Spearman's rank correlation.



Supplementary Figure 2. Expression and localization of TAMs in non-specific ulcer patients. (A) Representative images of paraffin sections in/around tumor stained with CD163 and CD204 antibodies (brown) Counterstaining with Mayer's hematoxylin is shown in blue. Scale bars, 100 μ m. (B) The number of CD163⁺ and CD204⁺ cells in patients with non-specific ulcer (n=5) and OSCC (n=46) was calculated by immunohistochemical staining. Statistically significant differences between groups were determined by Mann–Whitney *U* test (***P* < 0.01, **P* < 0.05).



Supplementary Figure 3. IL-10 and PD-L1 expression on TAM subsets in patients with OSSC. This figure showed that changed the gating methods from Figure 4. Flow cytometric analysis of IL-10 and PD-L1 expression on cultured TAM subsets. The detailed methods for cultivating cells are described in the Materials and methods section.