

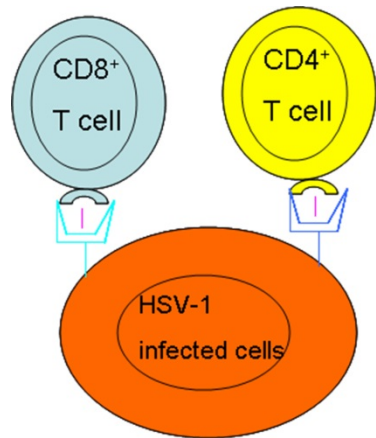
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Immune response of T cells during herpes simplex virus type 1 (HSV-1) infection

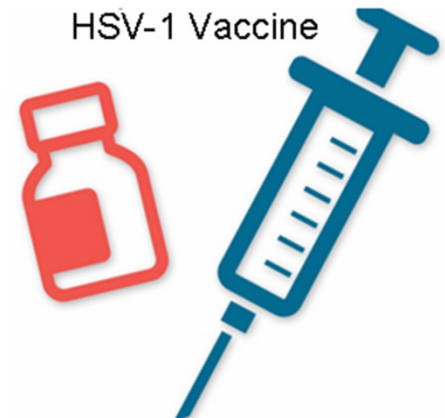
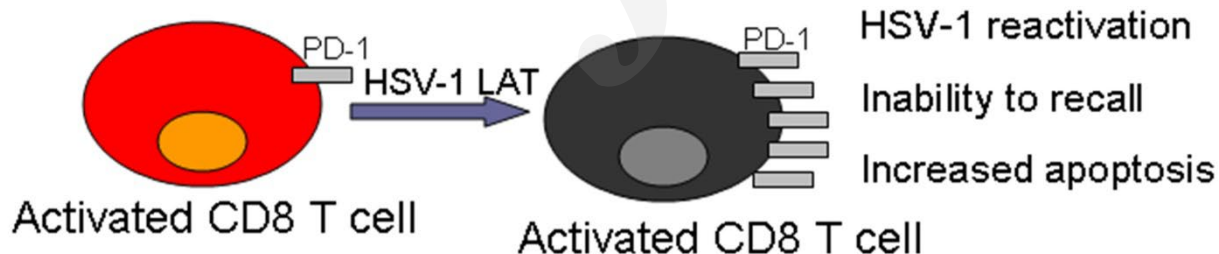
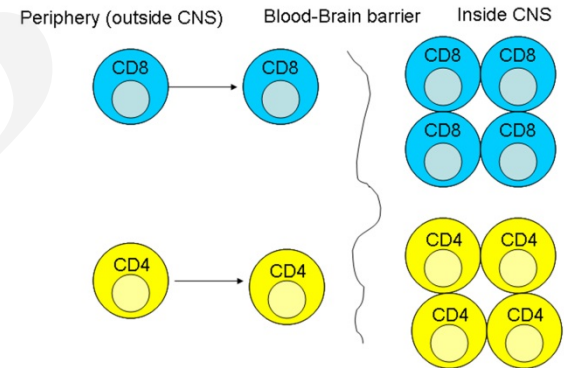
Key words: Herpes simplex virus type 1, Adaptive immunity,
T cells, Vaccine

Research Summary

This review mainly focused on the T cells immune response during HSV-1 infection. And summarized roles of T cells played in the following aspects:



- **CD4⁺ and CD8⁺ T cells response**
- **CD8⁺ T and CD4⁺ T cell infiltrate into CNS**
- **CD8⁺ T cells exhaustion**
- **Vaccine for HSV-1**



Innovation points

- **Introduction** of the diseases cause by HSV-1 infection.

- **Summary** of the most updated research progress about CD8 and CD4 T cells immune response during HSV-1 infection, and the role of CD8 Trm cells.

- **Emphasis** of the newly methods to produce a therapeutic vaccine for HSV-1

