

Pmel-1 TCR transduced cells

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Overview

This T-cell line, derived from the BWZ.36/CD8a thymoma of murine origin, was genetically engineered to express CD3 and a codon-optimized Pmel-1 T-cell receptor (TCR) through sequential retroviral transductions. The resulting line serves as a robust model for studying the optimization of TCR avidity and affinity and their impact on cancer immunotherapy.

Source: Mouse

Morphology: lymphoblast (Thymoma)

Cell type: T cell

Tissue: Thymus

Disease: Melanoma

Genetic modification: Transduction with pBabe-Puro-CD3 and pMSGV1- Pmel-1 wild type vector retroviruses

References

[Bassan et al., *Int J Cancer*, 2019.](#) [1]