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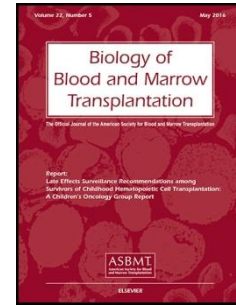
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T cell-mediated rejection of human CD34+ cells is prevented by costimulatory blockade in a xenograft model

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Highlights

- Engraftment of CD34+ cells before T cell-mediated rejection in a xenograft model.
- Abatacept allows CD34+ cell engraftment in xenograft model with allogeneic T cells.
- Boost of CD34+ cells improves hematopoiesis after HSCT with costimulatory blockade.

ABSTRACT

A xenograft model of stem cell rejection was developed by co-transplanting human CD34+ and allogeneic CD3+ T cells into NOD-scid γ -chain^{null} (NSG) mice. T cells caused graft failure when transplanted at any CD34:CD3 ratio between 1:50 to 1:0.1. Kinetics

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