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Donor Regulatory T-lymphocytes

National Cancer Institute

Source

National Cancer Institute. *Donor Regulatory T-lymphocytes*. NCI Thesaurus. Code C111894.

Donor-derived regulatory T-cells (Tregs), with potential immunomodulating activity. Tregs are a subset of CD4+ T cells that express high levels of CD25 (interleukin 2 receptor) and the transcription factor Foxp3. The donor CD4+CD25+ Tregs modulate immune responses and may induce tolerance to allogeneic organ transplants, such as hematopoietic stem cell transplants (HSCTs), thereby preventing graft-versus-host disease (GVHD).