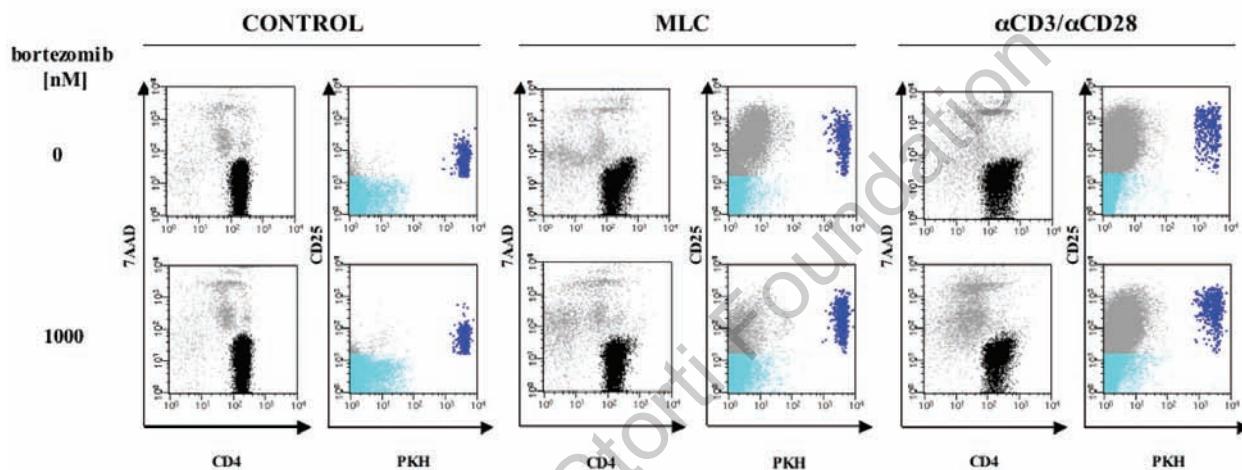


Treatment with bortezomib of human CD4⁺ T cells preserves natural regulatory T cells and allows the emergence of a distinct suppressor T-cell population

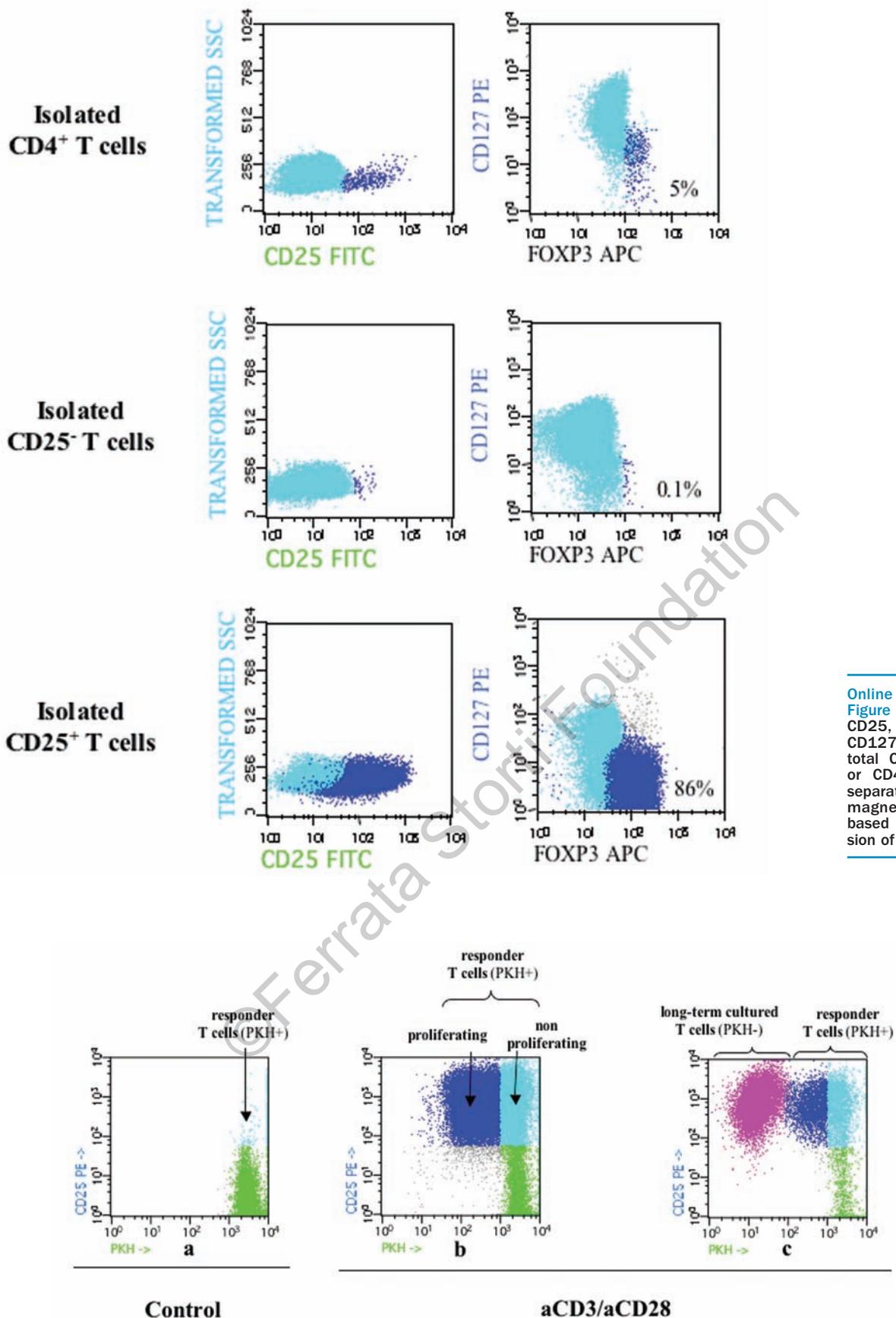
Belén Blanco, José A. Pérez-Simón, Luis I. Sánchez-Abarca, Teresa Caballero-Velazquez, Silvia Gutierrez-Cossío, Pilar Hernández-Campo, María Díez-Campelo, Carmen Herrero-Sánchez, Concepción Rodríguez-Serrano, Carlos Santamaría, Fermín M. Sánchez-Guijo, Consuelo del Cañizo, and Jesús F. San Miguel

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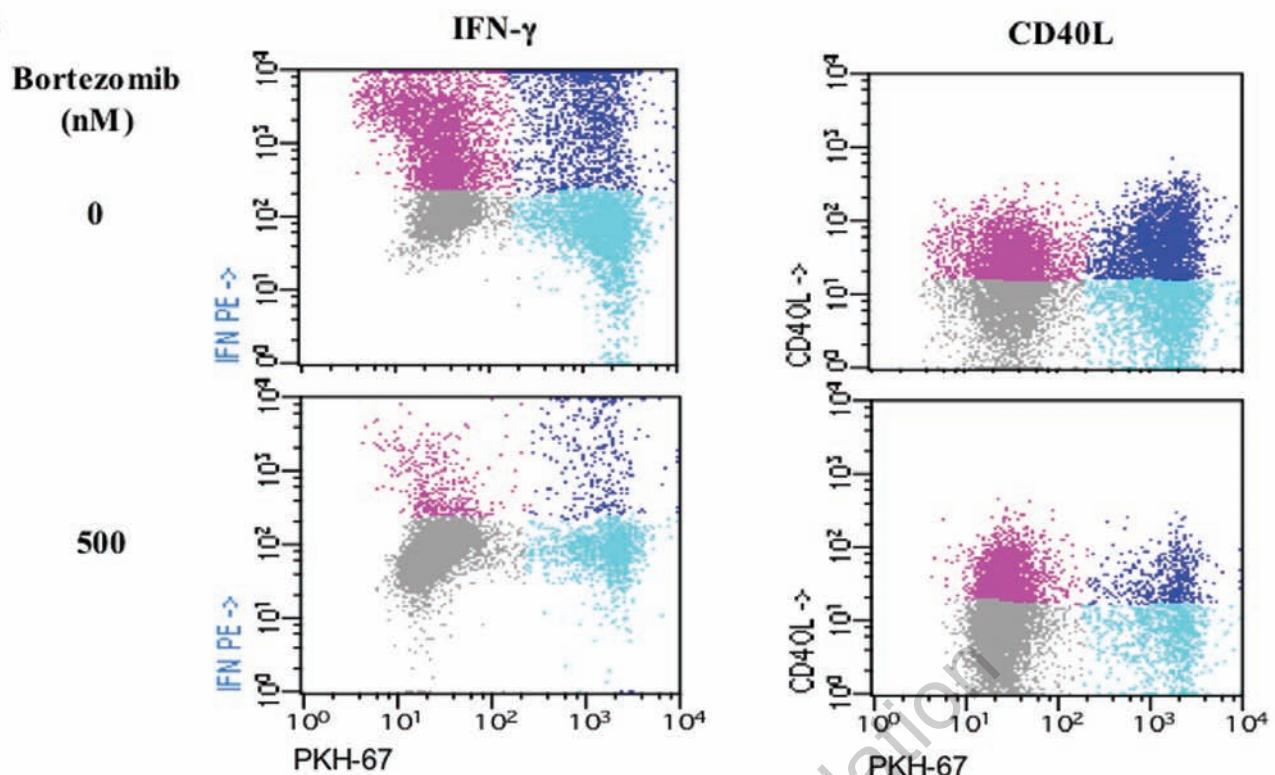
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Online Supplementary Figure S1. Viability of the different types of CD4⁺ T cells: regulatory (CD25⁺ PKH⁺), resting conventional (CD25⁻ PKH⁻) and activated conventional (CD25⁺ PKH⁻) T cells, assessed by the percentage of 7AAD- cells of each subpopulation



Online Supplementary Figure S3. Suppression assays: proliferation and CD25 expression. (A) Schematic representation of 4-day suppression assays analysis by flow cytometry: (a) unstimulated PKH-stained responder T cells; (B) aCD3/aCD28 stimulated PKH-stained responder T cells; (C) aCD3/aCD28 stimulated PKH-stained responder T cells co-incubated with non PKH-stained long-term cultured cells, among which we can distinguish: long-term cultured cells (violet), proliferating CD25⁺ responder T cells (blue), non-proliferating CD25⁺ responder T cells (cyan) and non-proliferating CD25⁻ responder T cells (green).

A

Online Supplementary Figure S4. Suppression assays: IFN- γ and CD40L production after co-culture of responder plus long-term cultured T cells. (A) IFN- γ and CD40L intracytoplasmic expression by both responder (PKH $^+$) and long-term cultured (PKH $^+$) T cells. One experiment of five is shown.