Inhibition of stearoyl-CoA desaturase 1 (SCD1) enhances the anti-tumor T cell response through regulating β-catenin signaling in cancer cells and ER stress in T cells and synergize with anti-PD-1 antibody

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In Brief
Inhibition of SCD1 in cancer cells via suppressing β-catenin signaling and in effector T cells via reducing ER stress enhances anti-tumor T cells through CCL4 recruited dendritic cells, and synergizes with anti-PD-1 antibody. Patients with high serum SCD1 related fatty acids were non-responders to anti-PD-1 antibody therapy.