

Bcl-2 Family Proteins Contribute to Apoptotic Resistance in Lung Cancer Multicellular Spheroids

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Online Data Supplement

Figure E1. The expression of FLIPs increases in spheroids but does not interfere with TRAIL signaling or explain resistance of spheroids.

A) FLIP_S is up-regulated after A549 cells form spheroids. By immunoblot, FLIP_S is upregulated in spheroids (S) compared to monolayers (M), at baseline and after exposure to bortezomib plus TRAIL. FLIP_L is upregulated by bortezomib to the same degree in monolayers and spheroids at 4 h.

B) FLIP_S depletion did not reduce the apoptotic resistance of spheroids. FLIP_S was depleted by siRNA, as measured at 72 h after transfection, the time when agents were added (see top panel). The knockdown of FLIP_S did not reduce the resistance of A549 spheroids to bortezomib (Bz) plus TRAIL. (*different from monolayer; mean \pm SD, n=3, p < 0.01).

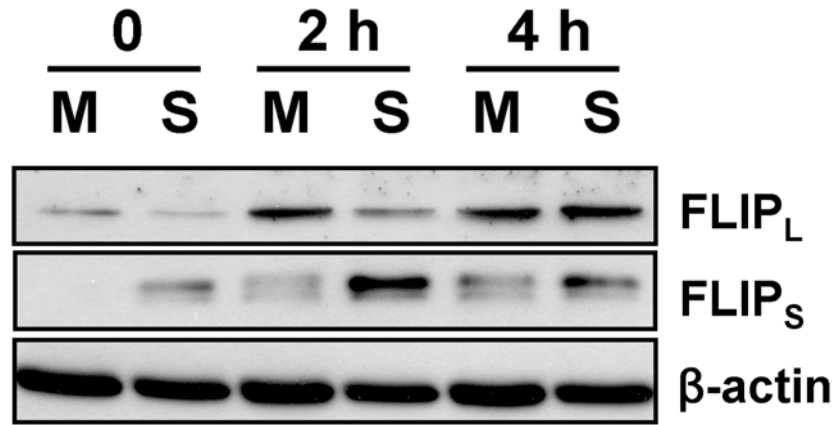
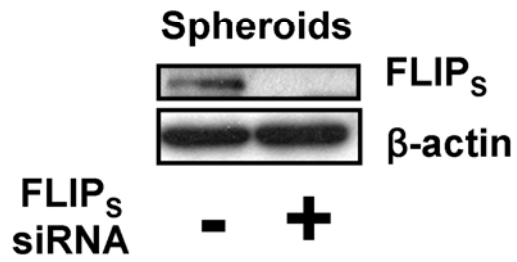
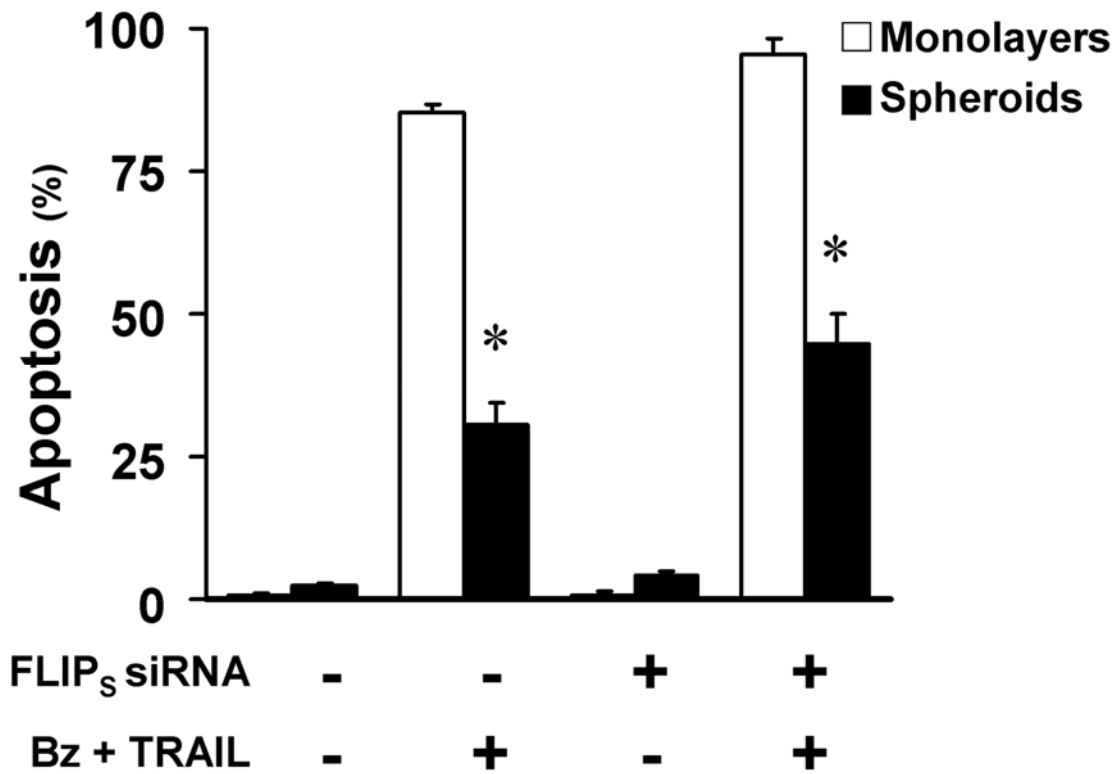
A**B**

Figure E1