

Analysis of apoptosis by AnnexinPE/7-aminoactinomycin D (7-AAD) staining

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Abstract

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Protocol

Step 1.

Step 2.

Cells were plated at a density of 105 cells per well in 6-well plates, and apoptosis was spontaneously induced after serum starvation for 48 h.

Step 3.

The cells were collected by centrifugation, washed with cold PBS, and subsequently resuspended in 500 µl of 1× Binding Buffer prior to incubation with 5 µl of Annexin PE and 5 µl of 7-AAD (Keygentec, Nanjing, China).

Step 4.

The cell samples were incubated at room temperature for 20 min and subsequently detected by a flow cytometer to determine the apoptotic cell fractions.