## natureresearch

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Initial submission

Revised version 🛛 🔀 Final submission

## Flow Cytometry Reporting Summary

Form fields will expand as needed. Please do not leave fields blank.

## Data presentation

For all flow cytometry data, confirm that:

- 1. The axis labels state the marker and fluorochrome used (e.g. CD4-FITC).
- 2. The axis scales are clearly visible. Include numbers along axes only for bottom left plot of group (a 'group' is an analysis of identical markers).

3. All plots are contour plots with outliers or pseudocolor plots.

4. A numerical value for number of cells or percentage (with statistics) is provided.

## Methodological details

5.	Describe the sample preparation.	HeLa cells from ATCC
6.	Identify the instrument used for data collection.	BD LSRII
7.	Describe the software used to collect and analyze the flow cytometry data.	BD FACS Diva 8.0.1; FlowJo 7.6.2
8.	Describe the abundance of the relevant cell populations within post-sort fractions.	Not applicable
9.	Describe the gating strategy used.	Initial gates - FSC-A/SSC-A to discriminate cells from debris; then cells were gated in FSC-W/FSC-A to discriminate single cells; then cells were gated in SSC-W/SSC-A to discriminate live cells. Resulted population were analyzed on SSC-A/FITC-A plot to find cells expressing EGFP and NIR-FP. Non-transfected cells were used for selecting negative population.

Tick this box to confirm that a figure exemplifying the gating strategy is provided in the Supplementary Information.