



I can prove!

Avalanche[®]-in vivo

The next generation in vivo Transfection Reagent



Biosystems[™]

The Transfection &
Gene Expression Experts

The Best Choice for Delivering Nucleic Acids *in vivo*

Avalanche[®]-in vivo Transfection Reagent is extremely powerful for the efficient delivery of DNA, siRNA, or oligonucleotides into different organs. This reagent was made by our proprietary formula, and is able to form uniformly compacted and positively charged complexes with nucleic acids. The complexes are able to efficiently move into cells via endocytosis. No significant inflammatory responses have been detected using this reagent.

Features

- 200 µl reagent for 20 transfections in mouse
- Efficient delivery of DNA, siRNA or DNA/siRNA *in vivo*
- Efficient delivery to the lung, liver, kidney, spleen, pancreas, liver, and certain types of tumors.
- Delivery via multiple modes of administration in many species
- No detectable inflammatory responses

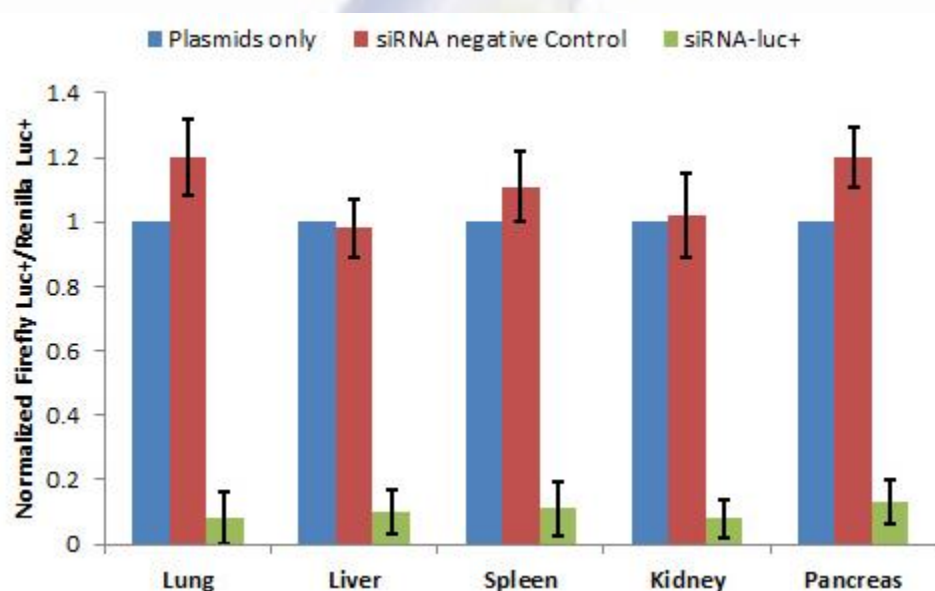


Figure 1. RNAi in organs of mice after transfection of siRNA using Avalanche[®]-in vivo Transfection Reagent. Mice were co-injected with the pGL3 control vector and pRL-SV40 plasmids alone or together with siRNAs. The two plasmids contain genes of *P. pyralis* luciferase+ (*Pp-luc+*) and *R. reniformis* luciferase (*Rr-luc*) respectively. Blue bars, red bars, and green bars indicate normalized *Pp-luc+*/*Rr-luc* activity ratios in mice receiving plasmids only, in controls with siRNA-EGFP, and in those with siRNA-luc+ respectively.

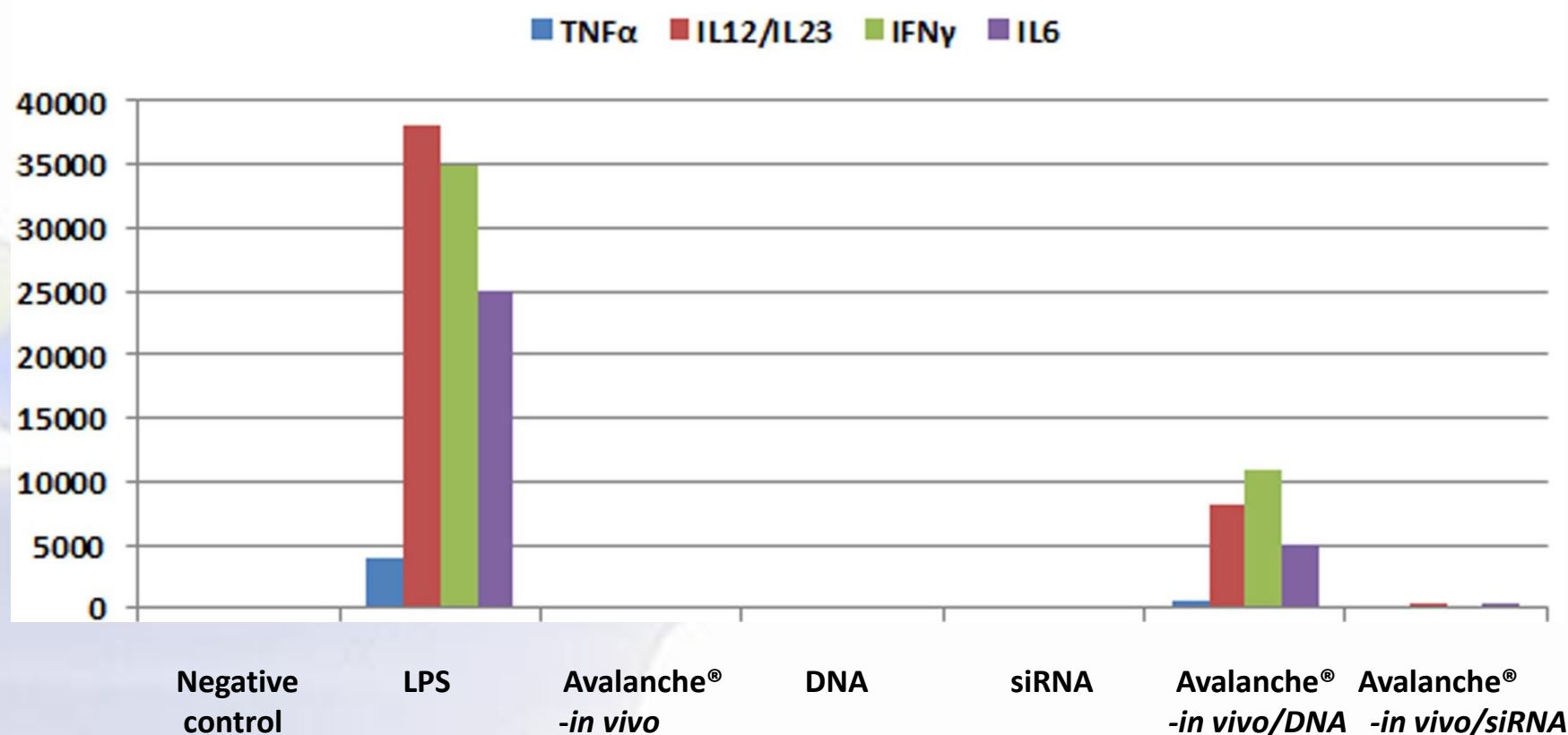


Figure 2. Avalanche[®]-in vivo does not cause any significant pro-inflammatory responses: Serum concentration of TNF-α, IL12/IL23, IFNγ and IL6 following intravenous nucleic acid delivery using Avalanche[®]-in vivo Transfection Reagent 6 h after delivery. The negative control: IV injection of 5% glucose; the positive control: IP injection of 50 µg LPS. 40 µg DNA and 40 µg siRNA were delivered with or without Avalanche[®]-in vivo Transfection Reagent.

Product Name	Catalog Number	Size
Avalanche [®] -in vivo Transfection Reagent	EZT-VIVO-1	200 µl
		600 µl

Note: Avalanche[®] is the trademark of EZ Biosystems[™]. All right reserved

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