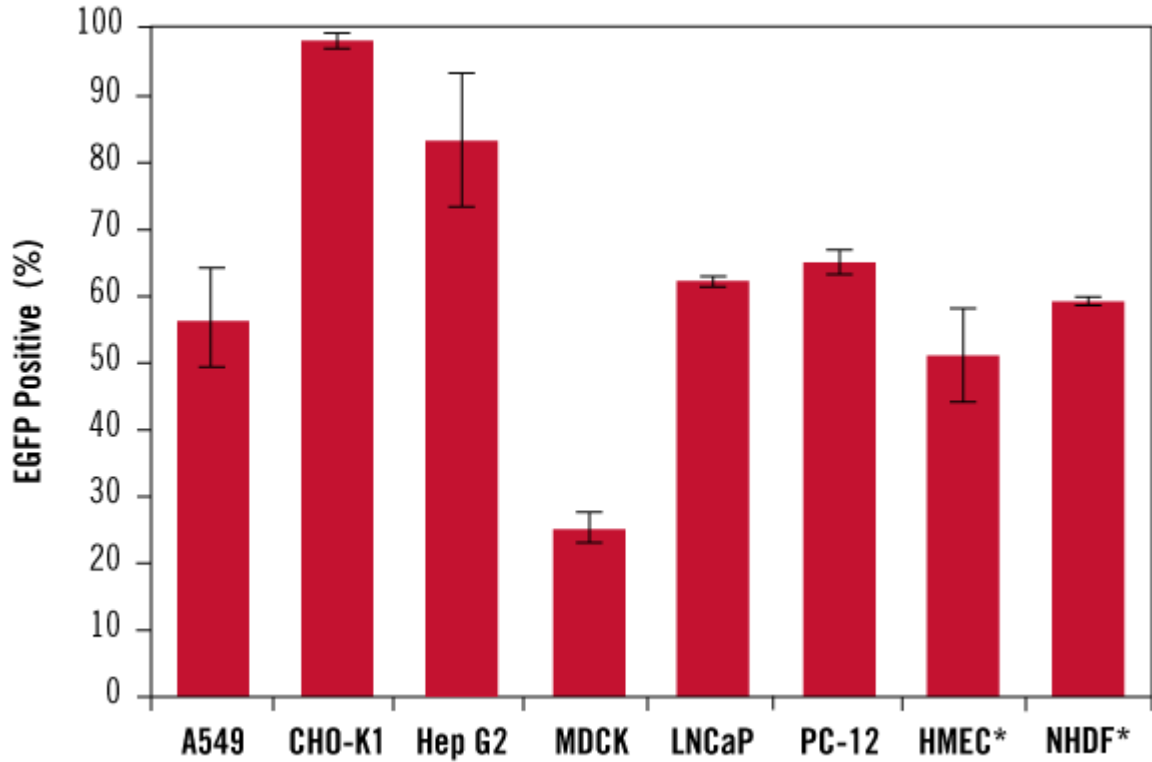


Visualization of High GFP Expression Using *TransIT-X2*® Dynamic Delivery System.

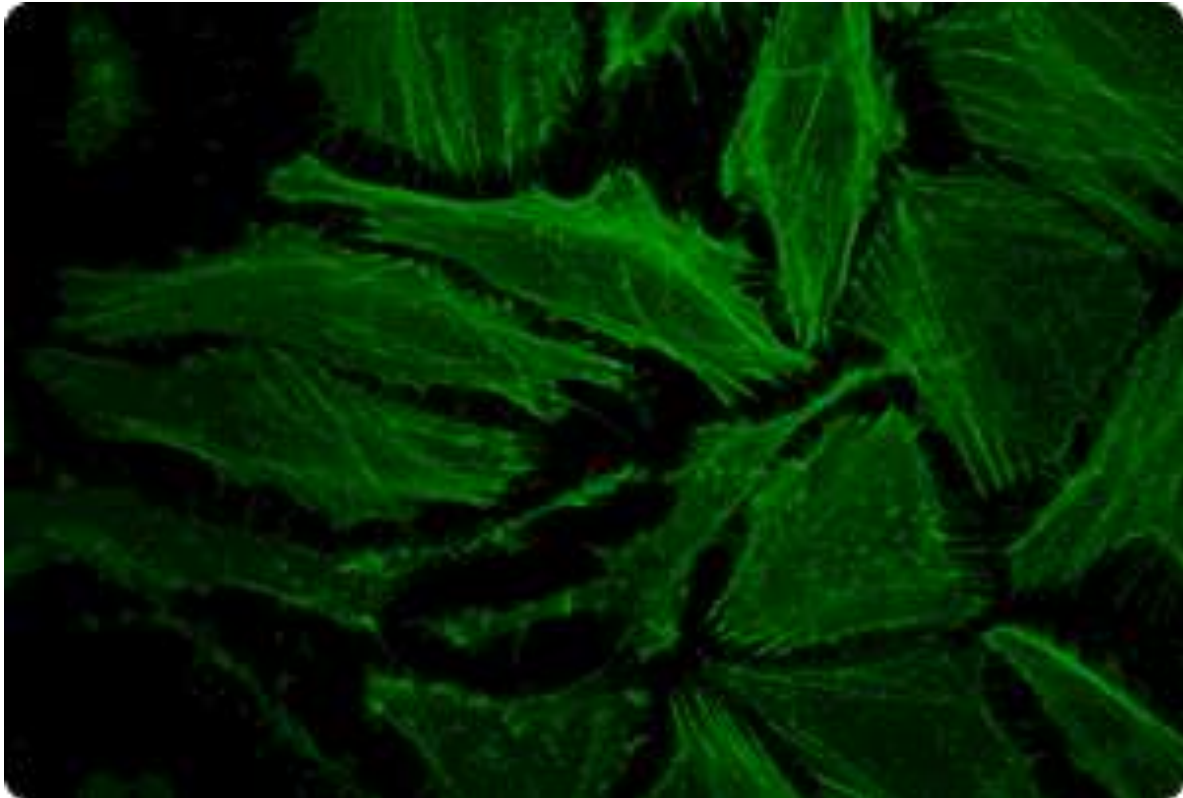
TransIT-X2® Dynamic Delivery System was used to transfect plasmid DNA encoding EGFP into A549, CHO-K1, HepG2, LNCaP, MDCK, PC12, primary human mammary epithelial cells (HMEC) and normal human dermal fibroblasts (NHDF). Transfections were performed in 35 mm MatTek dishes using 4-8 μ l of *TransIT-X2*® to deliver 2 μ g of DNA. Images (32X) were captured at 48 hours post-transfection using a Zeiss Axiovert S100 inverted fluorescence microscope.

* indicates primary cell types



High GFP Transfection Efficiency in Multiple Cell Lines and Primary Cells Using *TransIT-X2*® Dynamic Delivery System. *TransIT-X2*® Dynamic Delivery System was used to transfect plasmid DNA encoding EGFP into A549, CHO-K1, Hep G2, MDCK, LNCaP, PC-12, primary human mammary epithelial cells (HMEC) and normal human dermal fibroblasts (NHDF). Transfections were performed in 96-well plates using 0.2-0.4 μ l of *TransIT-X2*® to deliver 0.1 μ g of DNA (2:1, 3:1 or 4:1 reagent: DNA ratio). Triplicate wells were assayed 48 hours post-transfection using guava easyCyte™ 5HT Flow Cytometer.

*indicates primary cell types



Functional Co-transfection of Plasmid DNA and siRNA Using the *TransIT-X2*[®] Dynamic Delivery System. *TransIT-X2*[®] Dynamic Delivery System was used to transfect plasmid Cy[®]5 labeled DNA encoding nuclear YFP and Cy[®]3 labeled siRNA into HeLa cells. Transfection was performed in 6-well plates with Poly-L-Lysine (PLL) coated coverslips using 4 μ l of *TransIT-X2*[®] to deliver 2 μ g of DNA and 25 nM siRNA (2:1 reagent:DNA ratio). Actin cytoskeleton was stained using Alexa Fluor[®] 350 Phalloidin. Images (63X) were captured at 24 hours post-transfection using a Nikon A1R confocal microscope. Image key: yellow (nuclear YFP), blue (Cy[®]5 labeled DNA), red (Cy[®]3 labeled siRNA), green (actin cytoskeleton).