

無断転載禁止



Purpose

Summary

Material method

Evaluation of distribution in tissue and mRNA knockdown

Measurement of concentration of ASO in cells and nuclei

Figure 2 is a dual-axis line graph showing the effect of 100 nM of 10a on APOB mRNA levels and APOB protein levels in HepG2 cells. The x-axis represents the treatment concentration in nM on a log scale (1, 10, 100). The left y-axis represents APOB molecules/cell or (fold control) from 0 to 14. The right y-axis represents Remaining APOB mRNA (% control) from 0 to 70. Three data series are plotted: molecules/cell (red triangles), molecules/nucleus (green circles), and Remaining mRNA (% control) (blue diamonds). Error bars represent standard deviation (SD) for triplicate measurements.

Treatment (nM)	molecules/cell (fold control)	molecules/nucleus (fold control)	Remaining mRNA (% control)
1	~0.5	~0.5	~11.5
10	~1.0	~0.5	~5.0
100	~12.5	~3.0	~20.0

Fig. 11 ASO concentration and mRNA knockdown