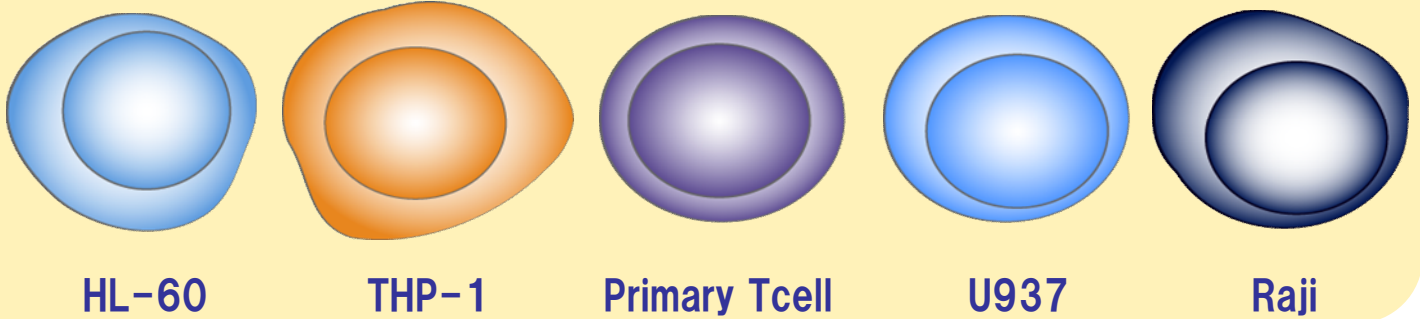


siRNA/miRNA transfection reagent using HVJ-E

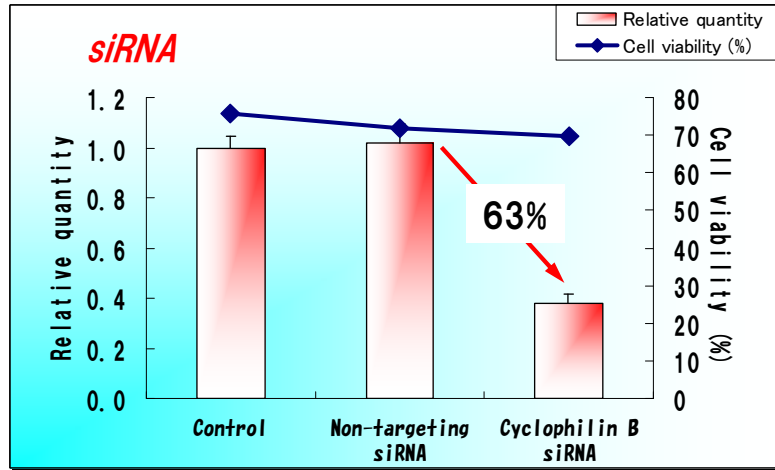
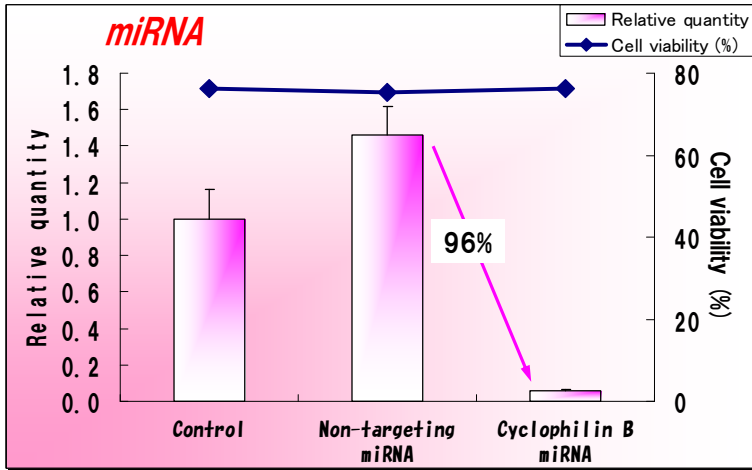
New!

GenomONE™ - Si

Efficient siRNA/miRNA transfection in hard-to transfect cells



Cyclophilin B miRNA/siRNA transfection in PMA/ionomycin-stimulated murine primary T cells



Cyclophilin B siRNA/miRNA (150nM) transfection → 2days → RT-PCR (mRNA quantification) & PI staining (viability)

What is HVJ Envelope (HVJ-E) ?

HVJ [Sendai virus] → *inactivation* → **HVJ Envelope (HVJ-E) [inactivated Sendai virus]**

purification

HVJ Envelope (HVJ-E) is a purified product prepared through complete inactivation of Sendai virus (HVJ: Hemagglutinating virus of Japan). It is a vesicle in which only the cell membrane-fusing capability of the envelope protein is retained.

Standard Protocol

1. HVJ-E
2. Incorporation reagent
3. siRNA/miRNA
4. Introduction enhancer
5. Add to cells

ISK ISHIHARA SANGYO KAISHA, LTD.

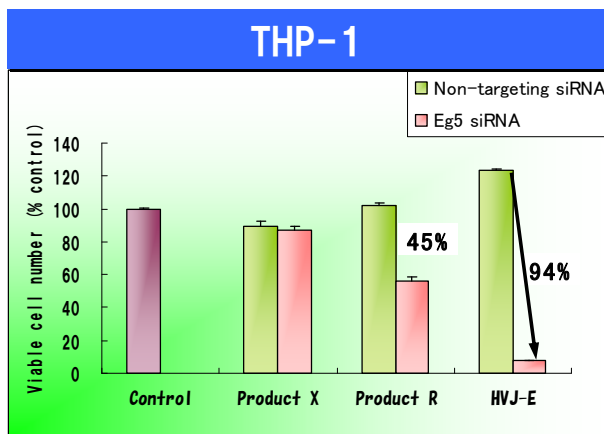
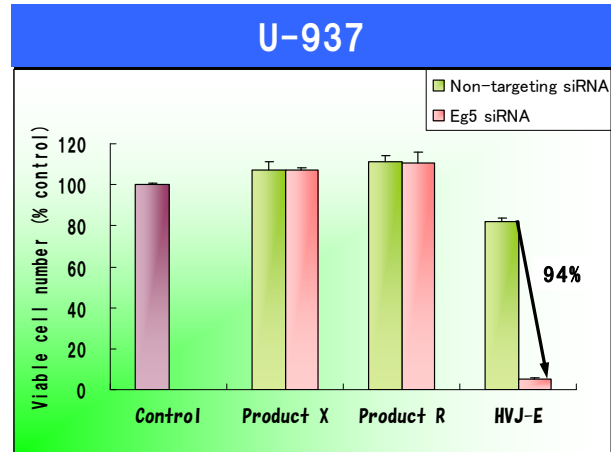
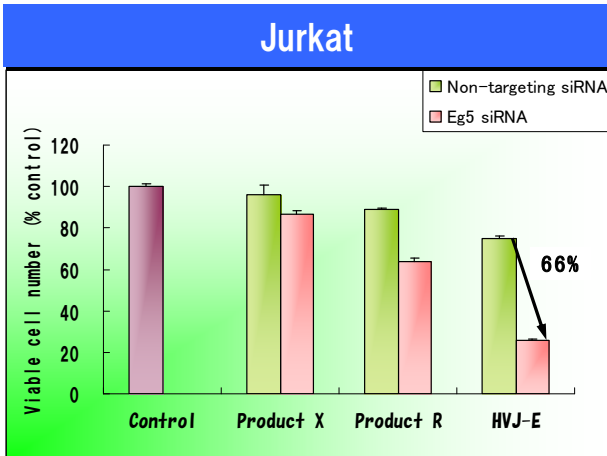
E-MAIL : HVJ-E@iskweb.co.jp

GenomONE

Web Search!

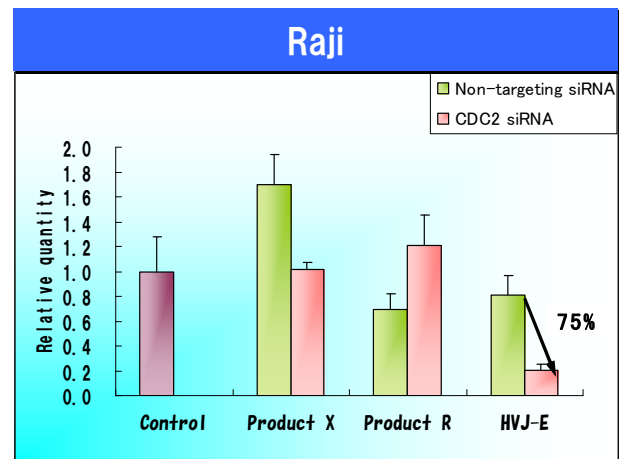
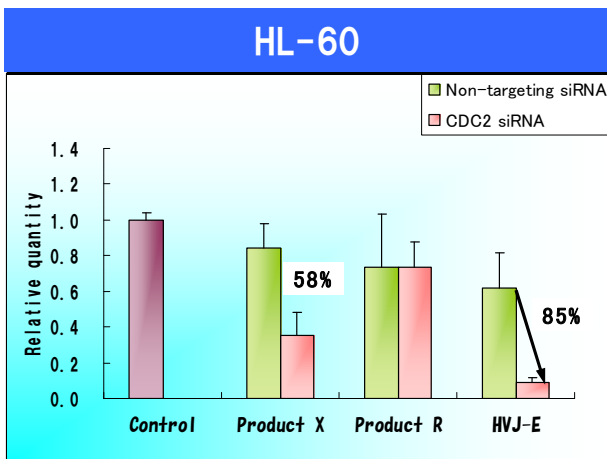
<http://www.iskweb.co.jp/hvj-e/>

Eg5 siRNA transfection using HVJ-E induced efficient apoptosis



Eg5 siRNA (50nM) transfection → 2days → WST-8 assay

CDC2 siRNA transfection using HVJ-E resulted in efficient knockdown



CDC2 siRNA (50nM) transfection → 2days → RT-PCR

References (Review articles)

Kaneda Y. *et al.* : Hemagglutinating virus of Japan (HVJ) envelope vector as a versatile gene delivery system. *Molecular Therapy*, 6, 219-226 (2002).

Kaneda Y. : New vector innovation for drug delivery: development of fusogenic non-viral particles. *Curr. Drug Targets*, 4(8), 599-602 (2003).

Kaneda Y. : Applications of Hemagglutinating Virus of Japan in therapeutic delivery systems. *Expert Opin. Drug Deliv.*, 5(2), 221-233 (2008).

Zhang Q. *et al.* : HVJ envelope vector, a versatile delivery system: its development, application and perspectives. *Biochem. Biophys. Res. Commun.*, 373, 345-349 (2008).