

Adenoviral Knockdown Virus Data Sheet

Vector Information

Vector: E1/E3 deleted adenoviral serotype 5 vector
 Expression cassette: shRNA under control of human U6 promoter

Target Information

Target Gene: CEACAM 1
 Specimen: Homo sapiens
 RefSeq#: NM_001712

Validation

Validation Method: qRT-PCR, Relative Quantification
 Cell line used for validation: MDA MB 468
 RNA prepared: 48h post transduction
 Total RNA used in RT: 1 µg
 cDNA Primer: Dual Prime (Random Hexamer/Oligo dT)
 Real Time Platform: Light Cycler 480 (Roche)
 Detection Method: SYBR I
 Reference Gene: Topoisomerase 1
 Amplicon Integrity verified by: Melting Point Analysis

Results

	CP Target	CP Ref	Delta CP	Delta CP rel to Ctrl	% Target expr rel to Ctrl
Ad PL (Ctrl)	28,79	22,36	6,43	0,00	100%
Ad 329	33,09	23,29	9,79	3,36	10%
Ad 330	31,32	22,32	9,00	2,57	17%

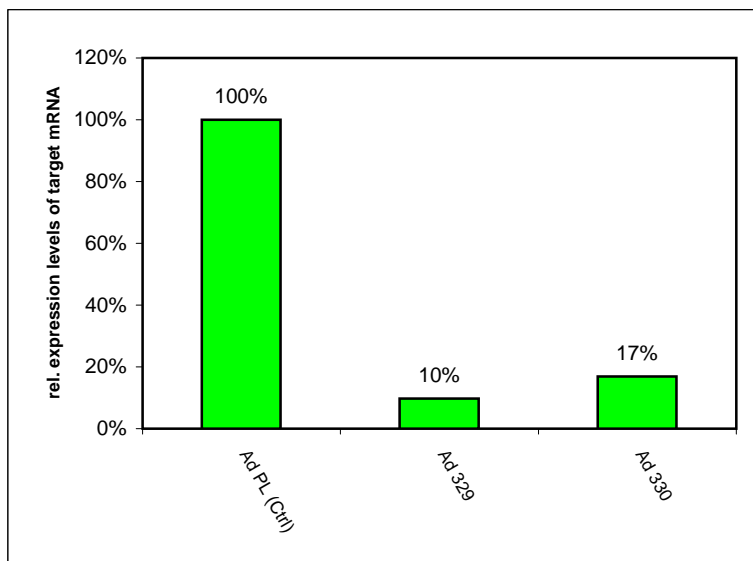


Figure 1

Reduction of CEACAM 1-mRNA
 48h after transduction with
 adenoviral vectors expressing
 2 different target-specific
 shRNAs in comparison to cells
 transduced with control vector