

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% |

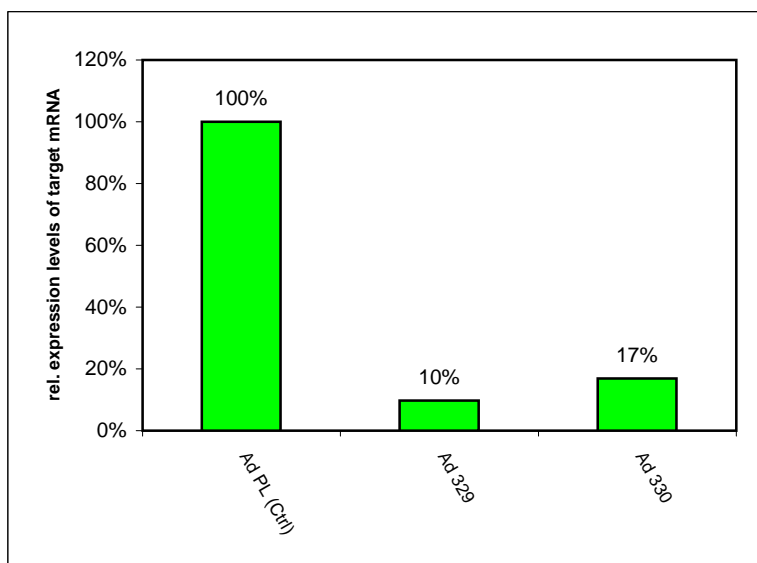


Figure 1

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