stained with 50 µL of 0.2% Crystal Violet solution at room temperature for 15 min, and then washed extensively with tap water. Plates were air-dried, and Crystal Violet was dissolved with 200 µL of 1% SDS solution. Plates were read at 570 nm. Data was analyzed for IC_{50} determination using GraphPad Prism 6. Correlation analysis was performed in GraphPad Prism using a non-parametric Spearman analysis.

4.2 Results

[00299] A correlation between potency of MORAb-109 (DAR6) and mesothelin expression was observed for all cell lines (FIG. 17; Tables 24 and 25).

[00300] For MORAb-109 (DAR2), when cell lines having lower mesothelin expression (FACS staining of mean fluorescence intensity (MFI) < 80) were excluded from the analysis, a significant correlation between potency and mesothelin expression was observed (FIG. 17; Tables 24 and 25). Potency of MORAb-109 (DAR2) correlated with mesothelin expression at higher mesothelin expression levels.

Table 24. Mesothelin expression and potency correlation analysis (DAR2 and DAR6)

	MSLN (MFI) vs. Eribulin	MSLN (MFI) vs. MORAb109	MSLN (MFI) vs. MORAb109(DAR6)	MSLN (MFI) vs. MORAb109_MSLN high
Spearman r				
r	-0.1113	-0.2906	-0.6773	-0.6267
95% confidence interval	-0.3935 to 0.1902	-0.5472 to 0.01591	-0.8093 to -0.4803	-0.8502 to -0.2118
P value				
P (two-tailed)	0.4566	0.0557	<0.0001	0.0054
P value summary	ns	ns	****	**
Exact or approximate P value?	Approximate	Approximate	Approximate	Approximate
Significant? (alpha = 0.05)	No	No	Yes	Yes
Number of XY Pairs	47	44	48	18