Supplementary Fig. S1: Characterization of S100A9-EMMPRIN interaction.

a, Effect of S100A9 and S100A8 on TNFα expression in SK-MEL-2 cells. S100A9 (0.1-10 μg/ml) or S100A8 (0.1-10 μg/ml) was added to the medium and after 3 h, RNA was collected. Quantitative RT-PCR of TNFα expression relative to G3PDH was shown. Values represent mean ± s.d. of triplicate samples.

b, Effect of EMMPRIN siRNA on mRNA expression in keratinocytes. siRNA specific to EMMPRIN (siEMP) (40 & 80 nM) was added and incubated for 24 h, 48 h and 72 h. Quantitative RT-PCR of EMMPRIN expression relative to G3PDH was shown. Values represent mean ± s.d. of triplicate samples.

c, Effect of soluble EMMPRIN on MMP10 induction by S100A9. SK-MEL-2 cells were incubated with sol.EMMPRIN (1 μg/ml) for 30 min. Then S100A9 (1 & 10 μg/ml) was added to the medium and after 24 h, RNA was collected. Quantitative RT-PCR of MMP10 expression relative to G3PDH was shown. Values represent mean ± s.d. of triplicate samples. *P<0.05, **P<0.01, ***P<0.001