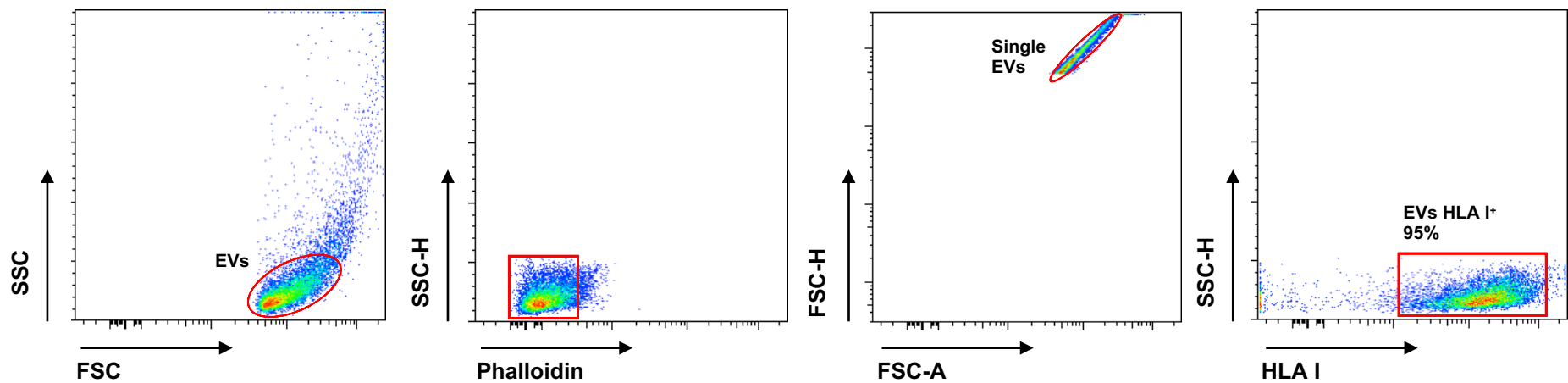
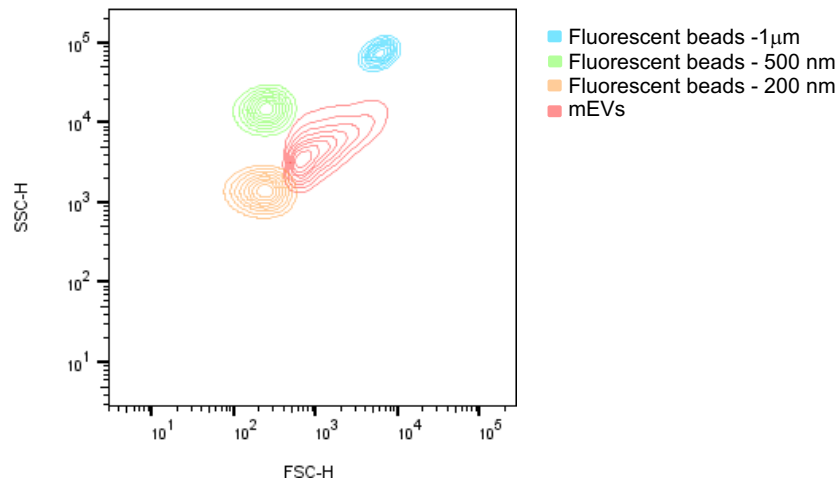
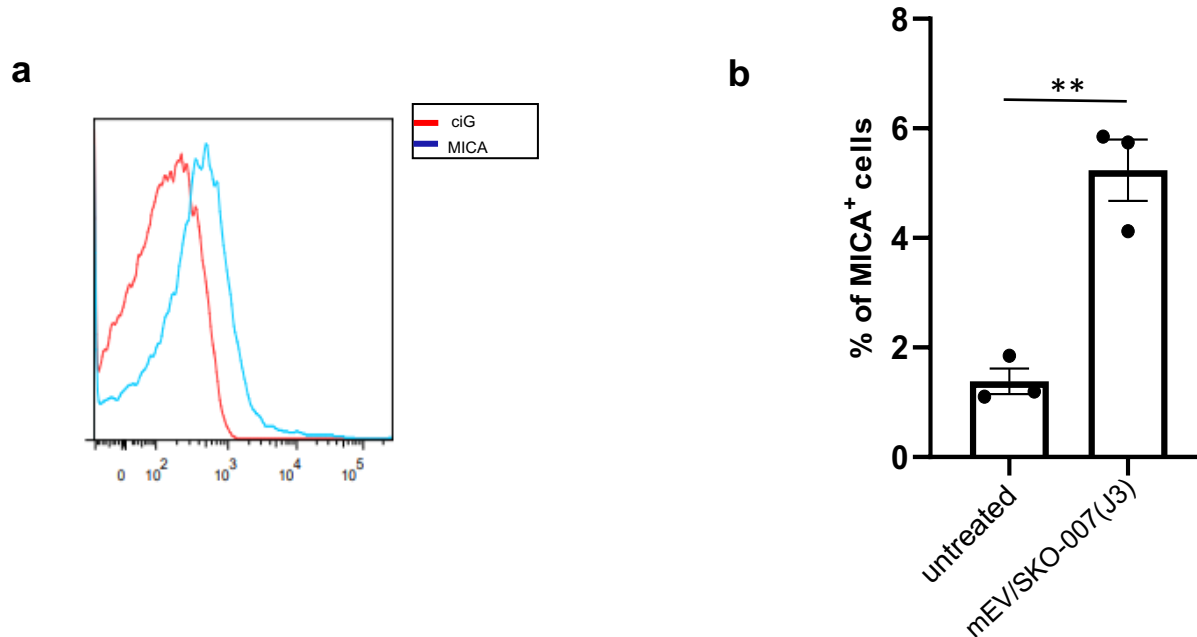


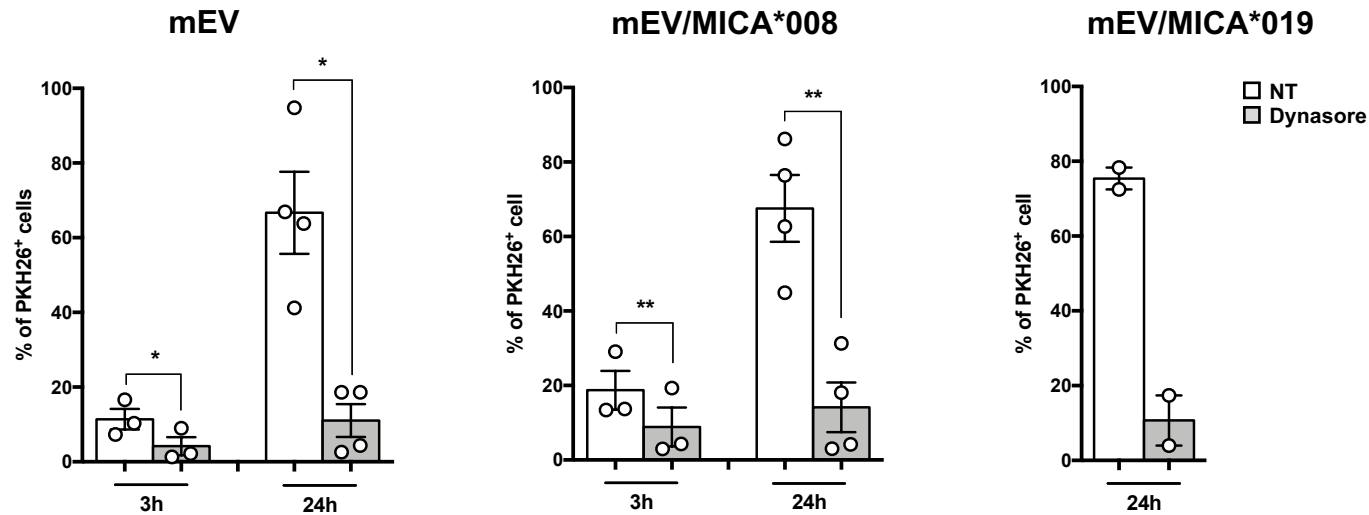
a**b**

Supplementary Figure S1. Gating strategy of mEVs isolated from MM cell line ARK.

About 1-5 μ g of mEVs were labelled with FITC/Phalloidin in combination with specific antibodies. **a)** Dot plots showing the gating strategy. The phalloidin negative population was gated and the doublets were removed by plotting FSC-H and FSC-A; HLA I⁺ mEVs were gated and on this population the expression of NKG2DLs and CD138 was evaluated. **b)** Fluorescent beads of defined size (i.e: 200 nm, 500 nm and 1 μ m) were used to visualize the size of the selected mEV population. A representative experiment is shown.



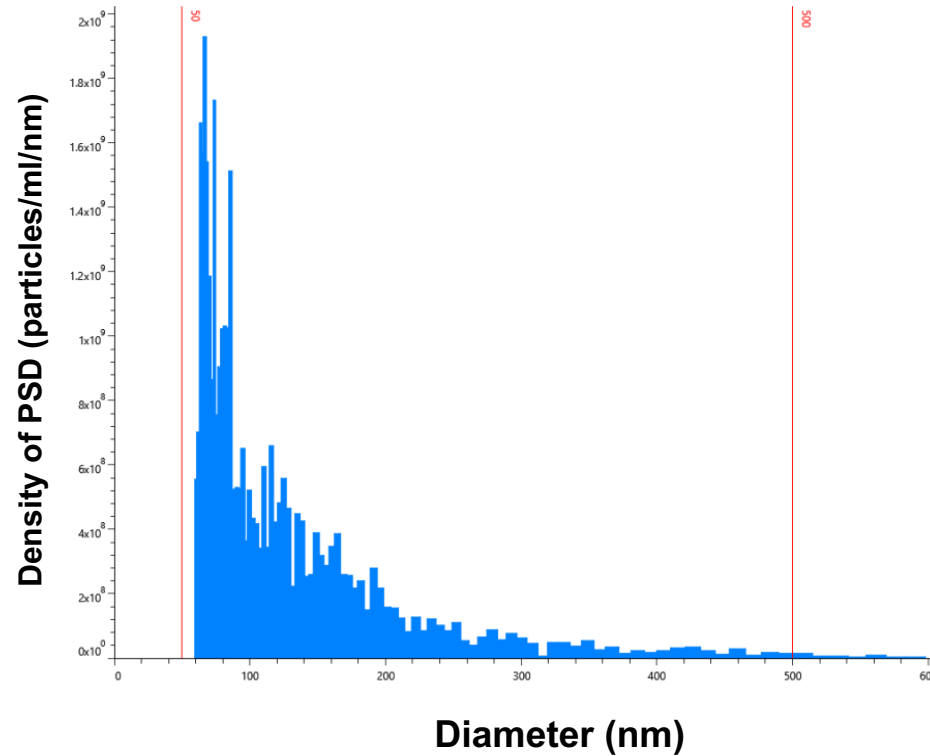
Supplementary Figure S2. mEVs derived from SKO-007(J3) MM cell line transfer MICA on target cells. a) About 5–10 μ g of mEVs derived from the conditioned medium of SKO-007(J3) were labeled with fluorochrome-conjugate α MICA mAb or with an isotypic ciGg in combination with phalloidin/FITC for 60 min at room temperature. mEVs were washed and analyzed through immunofluorescence and FACS analysis by gating on the phalloidin negative population. A representative experiment is shown. b) LP1 cells were incubated with 20 μ g/ml of mEVs for 18 hrs; cells were harvested and stained with α MICA mAb and analyzed through FACS. The percentage of MICA positive cells is shown.



Supplementary Figure S3. mEV uptake by MM cells occurs through an endocytosis-dependent mechanism. The MM LP1 cell line was treated as described in Figure 2, panel d using PKH26-labelled mEVs. The percentage of PKH26⁺LP1 cells is shown. Values relative to the mean of at least two independent experiments are shown.

Patient n.	Sex/age	stage	Ig
1	F/48	Smoldering	IgG-κ
2	M/66	MGUS	IgG-λ
3	F/74	Onset	IgG-λ
4	M/77	Onset	IgG-λ
5	F/70	Relapse	IgG-κ
6	M/46	Onset	IgA-λ
7	F/71	Onset	IgA-κ
8	M/75	Relapse	IgA-λ
9	M/60	Onset	IgA-λ
10	F/79	Onset	IgA-λ
11	M/83	Onset	IgG-κ
12	F/62	MGUS	IgA-κ
13	F/72	Onset	Light chain myeloma

Supplementary Figure S4. Characteristics of MM patients.



Supplementary Figure S5. Size distribution of mEVs isolated from plasma of MM patients. The size distribution was performed using a ViewSizer™ 3000 (HORIBA Instruments incorporated, Irvine CA, USA). A representative sample derived from BM plasma is shown. The average diameter of EV population corresponds to 140 ± 20 nm.