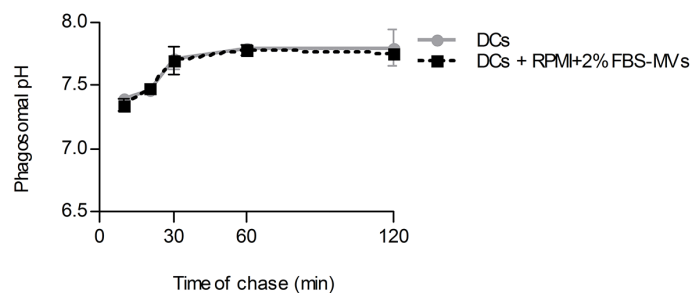


Tumor-derived Microvesicles modulate antigen cross-processing via ROS-mediated alkalinization of phagosomal compartment in Dendritic Cells

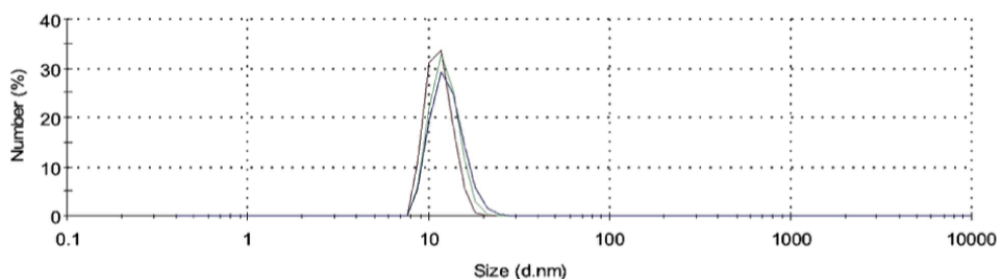
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A



B



Supplementary Figure 1: DC phagosomal pH is not affected by serum bovine origin present in the culture medium that does not contain MVs

A) MVs purified from the cell culture media (deriving from the FBS) were employed to pulse DCs. DCs (grey line) and DCs + RPMI+2%FBS-MVs (black line) show similar phagosomal pH kinetics. The average and standard deviation (SD) of 3 different independent experiments are shown.

B) Size measurement of ultracentrifuged culture medium (RPMI+2%FBS) using Zetasizer Nano ZS90 spectrometer (Malvern Instruments Ltd). The three curves show three independent measurements for the pellet of ultracentrifuged RPMI+2%FBS. These size distributions were not compatible with the presence of vesicles, but they were the typical size distribution of proteins enriching culture media.