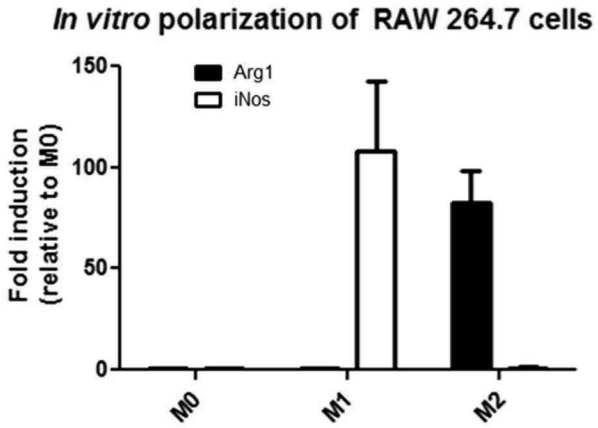
Supplementary Figure Legend

Supporting Figure 1. Gene expression by differentially polarized RAW and MSRC2 cells. (**A**) qPCR analysis of polarization-related genes *arg1* (arginase) and *nos2* (iNOS) in RAW 264.7 cells cultured for 2h in either plain media (M0), LPS (M1), or IL-4 and IL-13 (M2). Expression levels were calculated via the ddCT method and normalized to HPRT expression, then normalized to expression of M0 stimulated RAW cells. Data are mean±SEM for n=3. (**B**) qPCR analysis of *msr1* (SR-AI) gene expression by RAW cells cultured for 2h in either plain media (M0), LPS (M1), or IL-4 and IL-13 (M2). Expression levels were calculated as in **A**, data are mean±SEM for n=3. (**C**) qPCR analysis of *emr1* (F4/80) expression by RAW and MSRC2 cells cultured for 2h in either plain media (M0), LPS (M1), or IL-4 and IL-13 (M2). Expression levels were calculated as in **A**, data are mean±SEM for n=3; *P<0.05, ***P<0.0005.

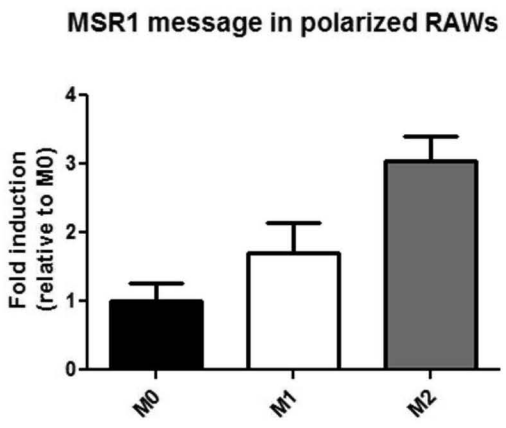
Supporting Figure 2. RAW cells, but not MSRC2 cells, exhibit a phagocytosis profile consistent with M2 polarization. (**A**) Flow staining of MSRC2 and WT RAW cells following exposure to AdOVA and incubation with PE-stained carboxy-modified beads. Macrophages were gated as live singlets with positive CFSE uptake, images are representative of 3 independent experiments. (**B**) Quantification of A, showing the percent of cells containing fluorescence corresponding to the presence of 2+ beads as mean±SEM for n=3 replicates, **P<0.005.

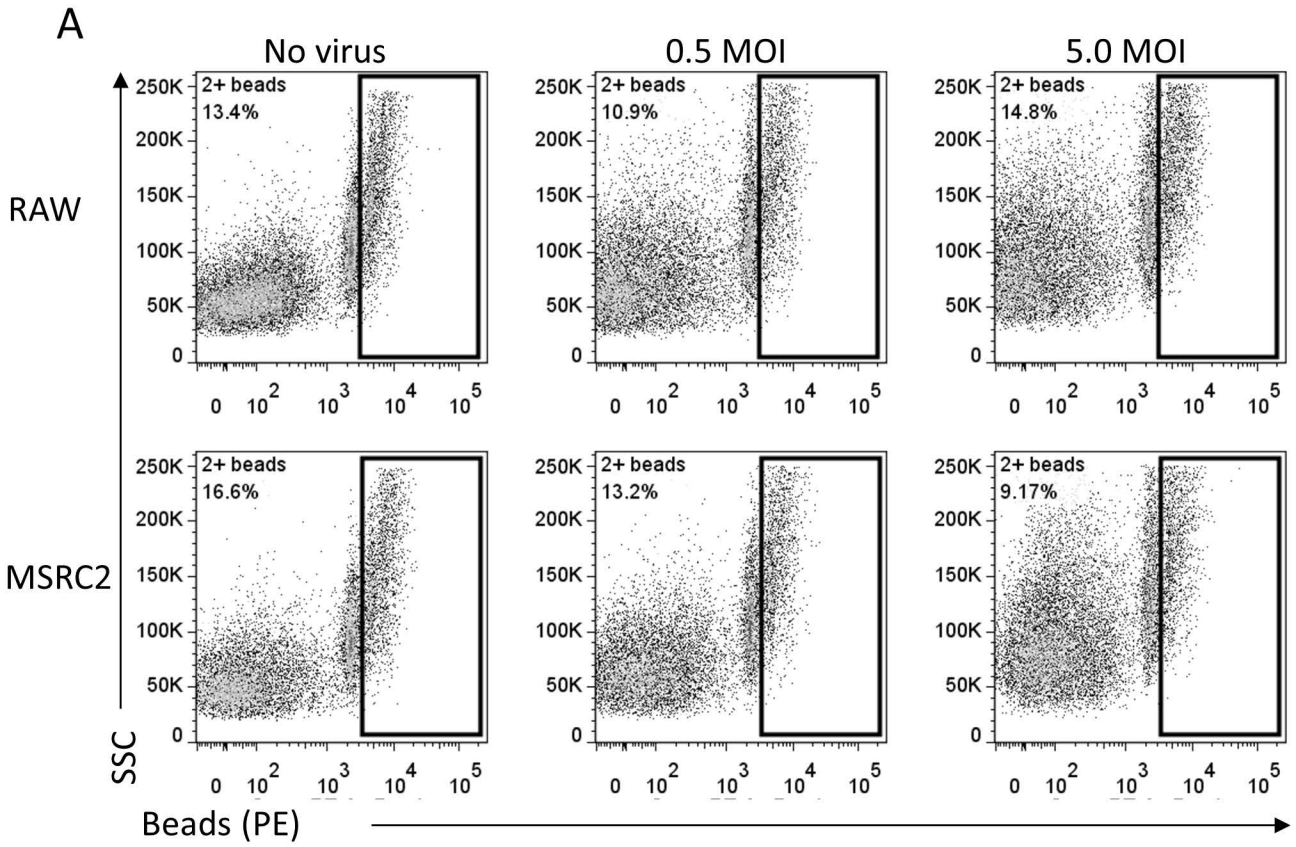
Supporting Figure 3. Quantification of Western blot results. Densitometry analysis of phosphorylated mTOR (**A**) and Mertk (**B**) protein in RAW and MSRC2 cells cultured for 2h in either plain media (M0), LPS (M1), or IL-4 and IL-13 (M2). Data are presented as the ratio of intensity of the phospho-mTOR or phospho-Mertk bands divided by the total mTOR or total Mertk bands respectively, normalized to the expression of actin.

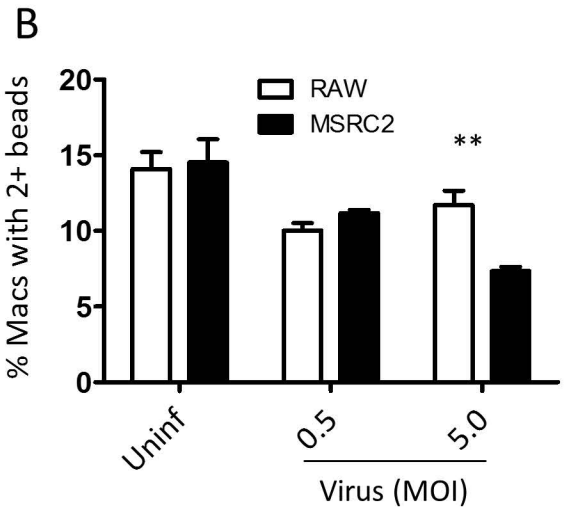
A

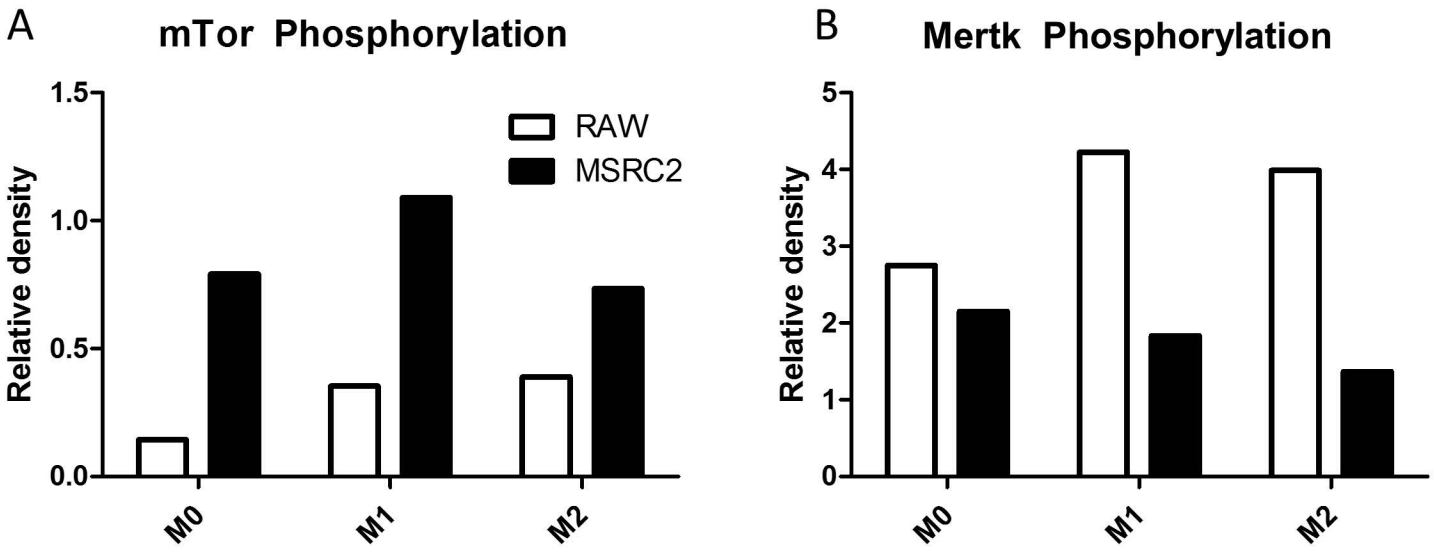

In vitro polarization of RAW 264.7 cells
Arg1
iNos
Fold induction (relative to M0)
150
100
50
0
M0
M1
M2

B


MSR1 message in polarized RAWs
Fold induction (relative to M0)
4
3
2
1
0
M0
M1
M2


A
No virus
0.5 MOI
5.0 MOI
RAW
MSRC2
2+ beads
13.4%
2+ beads
10.9%
2+ beads
14.8%
2+ beads
16.6%
2+ beads
13.2%
2+ beads
9.17%
250K
200K
150K
100K
50K
0
SSC
Beads (PE)


B
% Macs with 2+ beads
RAW
MSRC2
**
Uninf
0.5
5.0
Virus (MOI)


A
mTor Phosphorylation
Relative density
1.5
1.0
0.5
0.0
RAW
MSRC2
M0
M1
M2
B
Mertk Phosphorylation
Relative density
5
4
3
2
1
0
M0
M1
M2