

Fig. E-1

Time course of cytokine mRNA expression by wild-type macrophages stimulated with titanium particles with adherent bacterial debris. TNF-α (**Fig. E-1A**) and IL-1β (**Fig. E-1B**) mRNAs peak at four hours. IL-6 (**Fig. E-1C**) mRNA is induced more slowly and peaks at twenty-four hours. Results represent the mean (and standard error) of three independent experiments. Each experiment included three culture wells per group, with each well assayed in triplicate.

*Compared with the vehicle control, the difference was significant ($p < 0.05$).

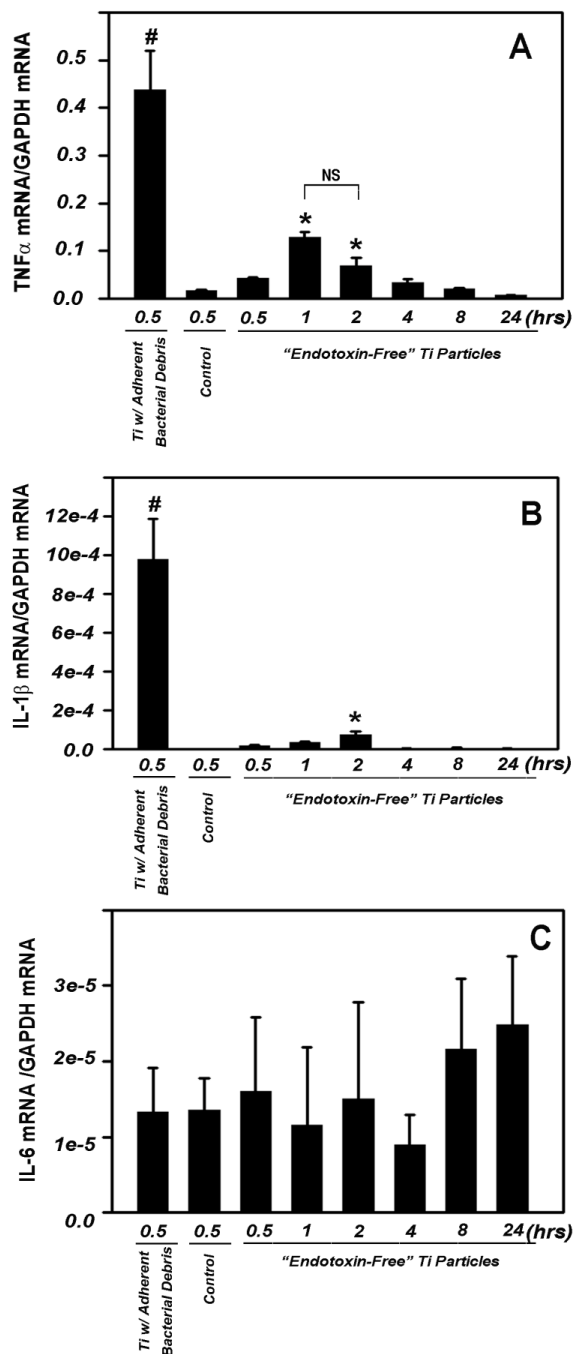


Fig. E-2
 Time course of cytokine mRNA expression by wild-type macrophages stimulated with endotoxin-free titanium particles. TNF- α (**Fig. E-2A**) and IL-1 β (**Fig. E-2B**) mRNAs peak at one

to two hours, and there was no significant IL-6 (**Fig. E-2C**) mRNA induction at any time point compared with the vehicle control. Results represent the mean (and standard error) of three culture wells per group, with each well assayed in triplicate for one experiment. NS = not significant. #Compared with all other groups, the difference was significant ($p < 0.05$).
*Compared with the vehicle control, the difference was significant ($p < 0.05$).