

Supplements for JI

SUPPLEMENT 1. TLR2 ligands do not increase the expression of 1 α -hydroxylase or influence up-regulation of LL-37 by vitamin D. **A.** hTBE cells were treated with the following TLR2 ligands for 24 hours: LAM-MS 10 μ g/ml, Pam3CSK4 (Pam3Cys, P3C) 1 μ g/ml or FSL-1 100 ng/ml. Cells were harvested and 1 α -hydroxylase (Cyp27B1) mRNA measured using quantitative Real-time PCR. TLR2 ligands do not alter the expression of Cyp27B1 mRNA. Graph reflects mean fold change from control and SEM of three individual experiments. Repeated measures ANOVA with Dunnetts's test for multiple comparisons. **B.** hTBE cells were treated with the TLR2/1 ligand PAM3CSK4 (1 μ g/ml) or the TLR 2/6 ligand FSL-1 (100 ng/ml) for 24 hours in the presence or absence of 25D₃ (10⁻⁷M) and then harvested and LL-37 mRNA measured using quantitative Real-time PCR. TLR2 ligands do not induce LL-37 mRNA expression or effect vitamin D induced transactivation. Graphs reflect mean fold change from control and SEM of 4 independent experiments for PAM3CKS4 and 2 independent experiments for FSL-1. Repeated measures ANOVA with Bonferroni's test for multiple comparisons. ns = non significant.