

Figure S1: Immunofluorescence for IL-6 and TNF- α in THLE-2 and Hep G2 cells. interleukin (IL)-6 (panels A, and D), tumor necrosis factor (TNF)- α (panels G, and J), DAPI (panels B, E, H, and K), and merged images (panels C, F, I, and L).

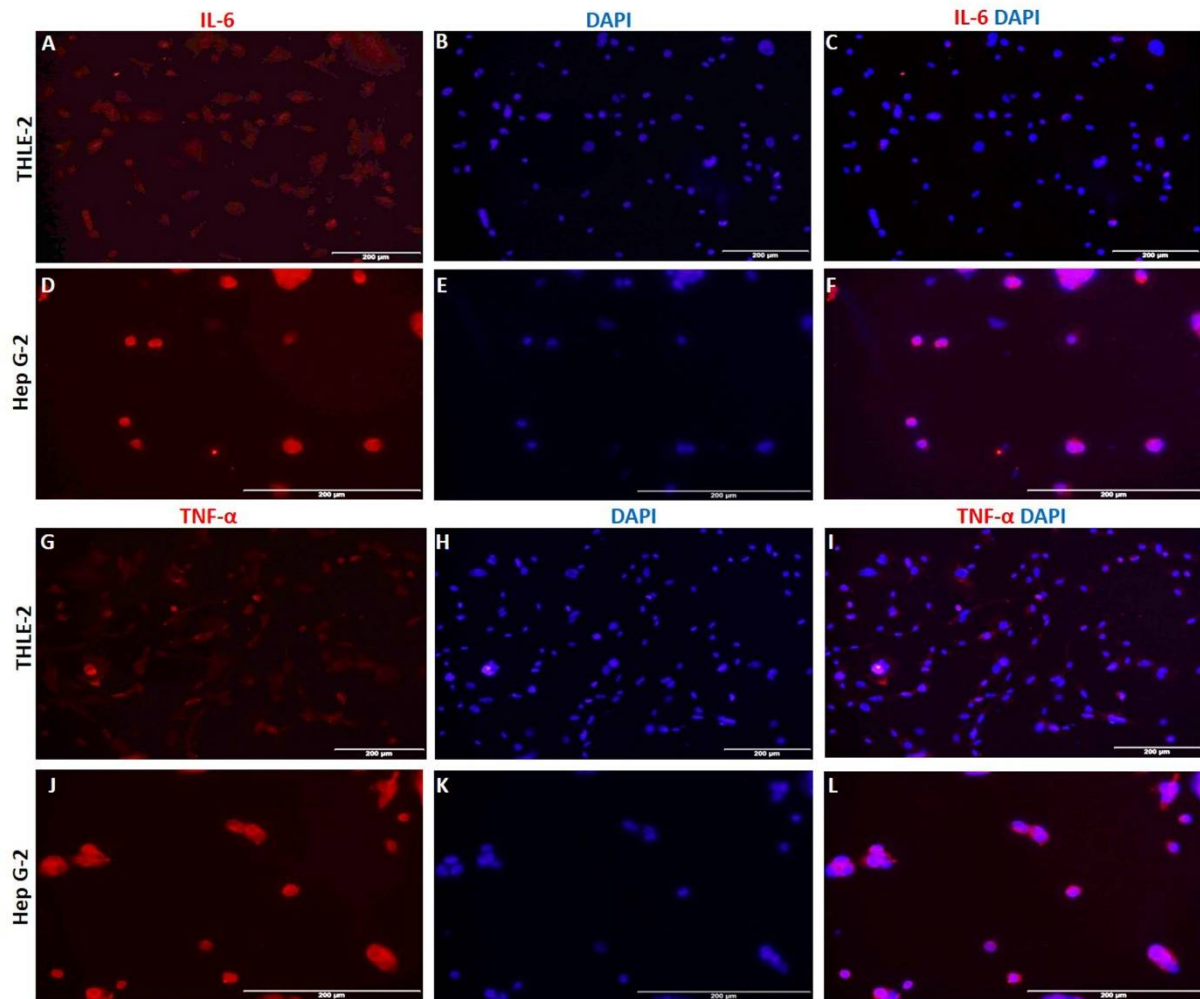
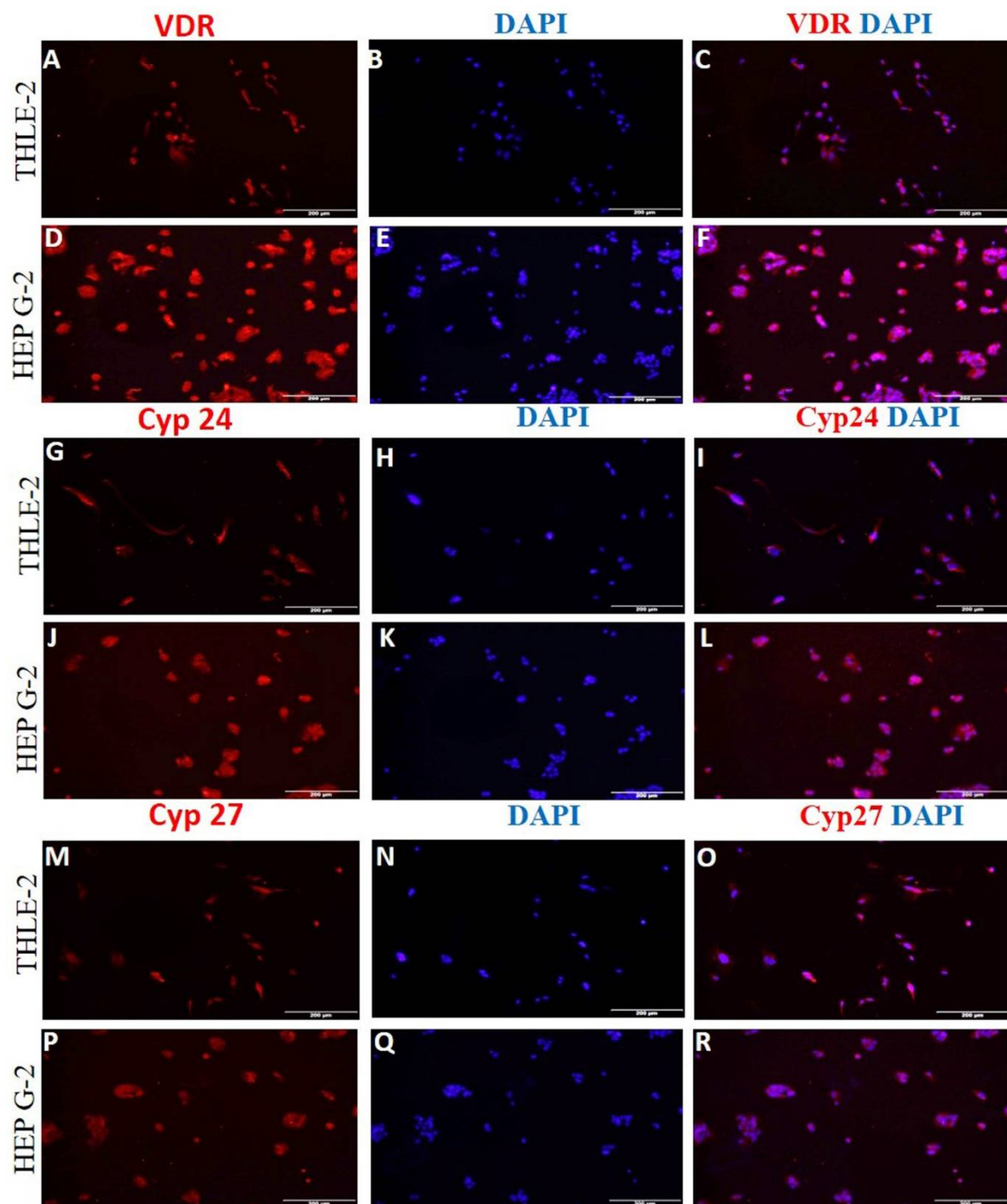


Figure S2: Immunofluorescence for vitamin D receptor (VDR; panels A and D), cyp24A1 (panels G and J), cyp27B1 (panels M and P), DAPI (panels B, E, H, K, N, and Q), and merged images (panels C, F, I, L, O, and R).



Supplementary Table S1. Minimum and maximum absolute values for all parameters evaluated in this study

Figure 1		RT-PCR		RT-PCR		Immunofluorescence Intensity			
		TREM-1		TREM-2		TREM-1		TREM-2	
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
THLE-2	Control	0.6	1	1	1.48	23.06	28.63	65.92	69.41
HepG-2	Control	1.13	1.62	0.55	0.84	61.63	77.03	47.4	53.43
HepG-2	Vitamin D	0.43	0.6	5.24	7.89	30.36	35.33	78.83	85.65
HepG-2	IL-6	2.17	2.25	2.95	4.2	76.41	83.72	62.36	66.34
HepG-2	IL-6 + Vit.D	0.58	0.71	3.12	4.99	35.6	37.46	68.82	75.31
HepG-2	TNF- α	1.75	2.53	1.77	2.81	74	78.92	64.14	69.45
HepG-2	TNF- α + Vit. D	1.3	1.51	1.84	2.81	51.2	55.48	68.05	73.38
Figure 4		RT-PCR							
		TREM-1		IL-6		TNF- α			
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum		
THLE-2	Control	0.42	1	0.64	1	0.76	1		
	C + rHMGB-1	2.07	2.86	3.89	4.5	1.12	1.59		
HepG2	Control	0.52	1	0.5	1	0.44	1		
	C + rHMGB-1	1.22	1.94	1.64	2.95	1.52	2.71		

Figure 5		RT-PCR						
		NF- κ B		PU.1		TREM-1		
		Minimum	Maximum	Minimum	Maximum		Minimum	Maximum
HepG2	Control	0.82	1	0.94	1.56	Control	0.79	1.02
	Vitamin D	0.5	0.58	1.59	2.18	LPS	3.12	4.24
	IL-6	2.9	3.92	0.23	0.28	C siRNA	1.17	1.66
	IL-6 + Vit.D	1.2	1.81	0.35	0.51	C siRNA+LPS	2.13	3.60
	TNF- α	2.05	2.9	0.33	0.4	PU.1 siRNA 40	1.44	1.75

	TNF- α + Vit. D	1.13	1.53	0.41	0.51	PU.1 siRNA 80	2.99	4.53
	LPS	2.87	4.17	4.81	5.24	PU.1 siRNA 40+LPS	1.88	3.02
	LPS + Vit. D	1.08	1.6	1.87	3.24	PU.1 siRNA 80+LPS	2.75	3.36
						TREM-1 siRNA	0.16	0.32
						PU.1 Plasmid 4	0.48	0.54
						PU.1 Plasmid 10	0.22	0.32
						PU.1 Plasmid 1	0.36	0.49
						PU.1 Plasmid 2	0.41	0.61
Figure 6		RT-PCR				Mean Fluorescence Intensity		
		TREM-1		TREM-2		TREM-1		
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	
HepG2	Control	0.91	1.00	0.97	1.13	61.63	77.03	
	Vitamin D	0.51	0.59	3.73	4.24	30.36	35.33	
	LPS	7.84	10.63	0.26	0.41	81.01	92.07	
	LPS + Vit. D	4.41	4.70	1.65	2.79	35.05	48.91	
	PU.1					58.16	63.66	
	LPS + PU.1					73.23	80.18	
Figure 7		Average area without cells (percent)						
		24 hr		48 hr				
		Minimum	Maximum	Minimum	Maximum			
HepG2	Control	49.62	56.3	0	45.23			
	Vitamin D	68.62	79.96	36.52	46.93			
	IL-6	29.61	47.73	0	21.53			
	IL-6 + Vit.D	54.89	75	11.35	34.14			
	TNF- α	42.97	55.15	0	16.51			
	TNF- α + Vit. D	52.46	80.67	0	24.32			
The area at 0hr was standardized to 100% and the area at 24 and 48 hours was calculated in percentage								