

## Supplementary Section:

Supplementary Table S1. Supporting evidence for PMA- and VD3-differentiated THP-1 derived M1/M2 macrophage subset cell model corresponding to IFN- $\gamma$ /LPS and IL-4/IL-13-differentiated THP-1 and primary cell studies.

Supporting evidence for THP-1 cell model		
	PMA/M1 Subset	VD3/M2 Subset
Gene Expression	Arginase <sup>neg/lo</sup> CD206 <sup>neg/lo</sup>  IL-8 <sup>hi</sup> IL-10 <sup>lo</sup> IL-12p40 <sup>hi</sup> iNOS <sup>hi</sup> TNF- $\alpha$ <sup>hi</sup>	Arginase <sup>hi</sup> CD206 <sup>hi</sup> DC-SIGN <sup>hi</sup> IL-8 <sup>lo</sup> IL-10 <sup>hi</sup>  iNOS <sup>neg/lo</sup> TNF- $\alpha$ <sup>lo</sup>
Functional Responses to LPS stimulation	IL-10 <sup>lo</sup> IL-12 <sup>hi</sup> Phagocytosis <sup>lo</sup> Superoxide <sup>hi</sup> TNF- $\alpha$ <sup>hi</sup> IL-1 $\beta$ <sup>hi</sup> IL-6 <sup>hi</sup> IL-8 <sup>hi</sup>	IL-10 <sup>hi/med</sup> IL-12 <sup>neg/lo</sup> Phagocytosis <sup>hi</sup> Superoxide <sup>lo</sup> TNF- $\alpha$ <sup>lo</sup> IL-1 $\beta$ <sup>lo</sup> IL-6 <sup>lo</sup> IL-8 <sup>lo</sup>
Surface Markers	CCR1 <sup>+</sup> CCR2 <sup>lo</sup> CD206 <sup>lo</sup> TLR4 <sup>hi</sup>	CD206 <sup>hi</sup>
Proteomic Profiling	CCL20 isoform 2 ICAM-1 IL-1 $\beta$ SOD isoform 4 TLR2 TNF- $\alpha$ induced protein 8	CD68 C-type mannose receptor 2 TGF- $\beta$ <sub>1</sub> Integrin $\alpha$ M Macrophage capping protein, Myeloid cell nuclear differentiation antigen
Reproduced Observations	THP-1 + IFN $\gamma$ /LPS treatment	THP-1 + IL-4 treatment