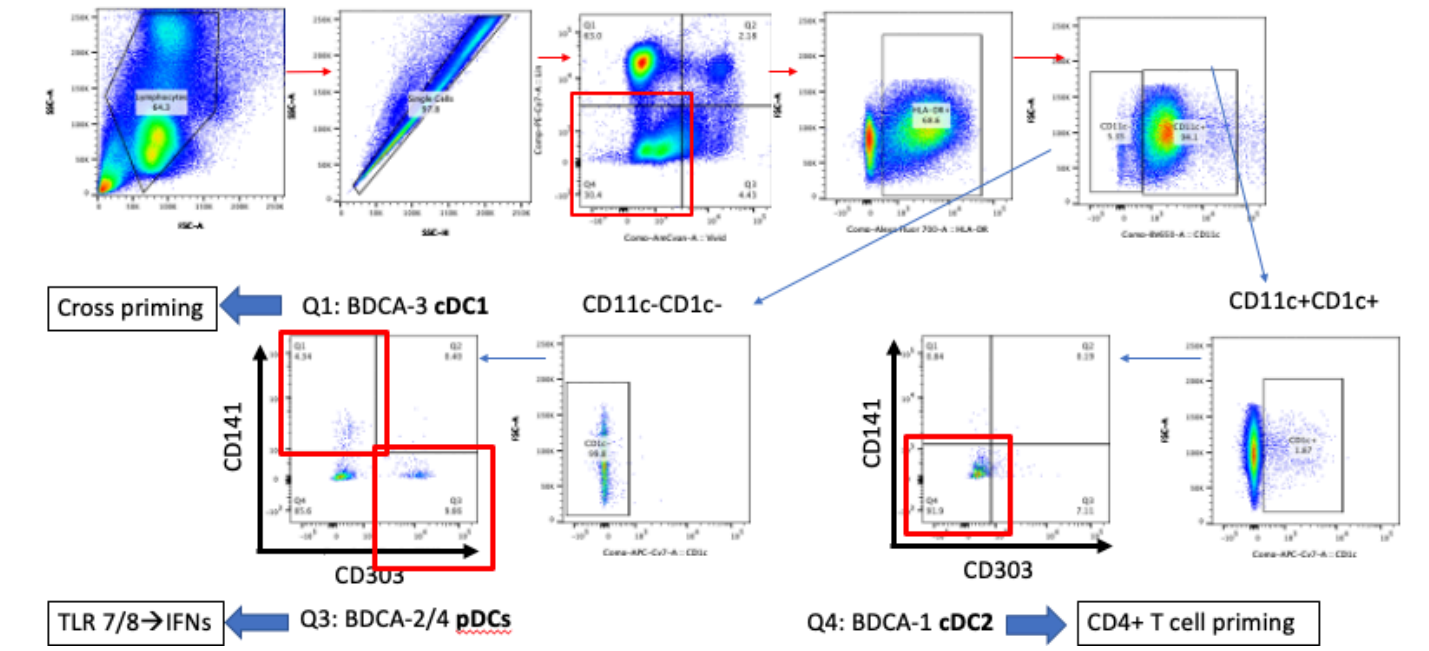
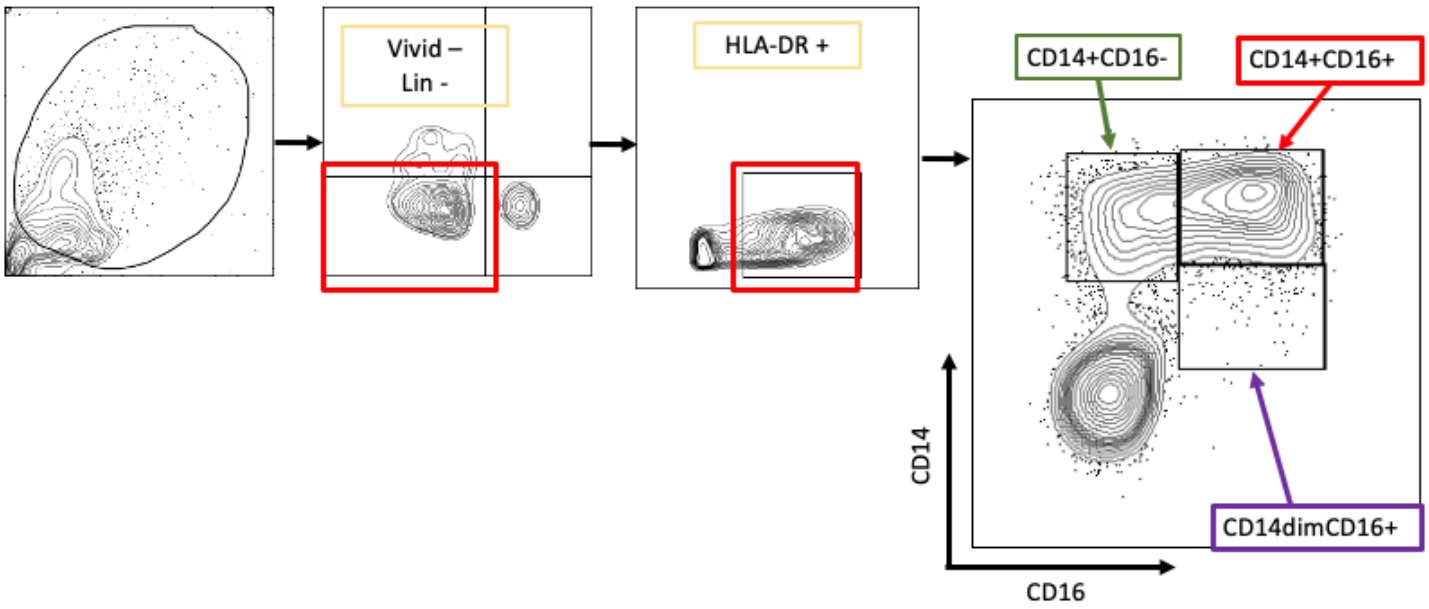
Supplemental Table 1: Patient recruitment and enrollment.

	Adults (n=11)	Older subjects (n=11)
Average age (range), y	30 (24-36)	73 (67-83)
Gender, male/female (female %)	4/7 (64)	5/6 (55)
Race, n		
White (non-Hispanic)	9 (82%)	11 (100%)
White (Hispanic)	2 (18%)	
Comorbidities, n	1 (9%)	9 (82%)
None	10 (91%)	2 (18%)
Arthritis	1 (9%)	5 (45%)
Hypertension		5 (45%)
Stroke		1 (9%)
Heart disease		1 (9%)
Medications		
Prescription	1 (9%)	6 (55%)
Over-the-counter	5 (45%)	8 (73%)

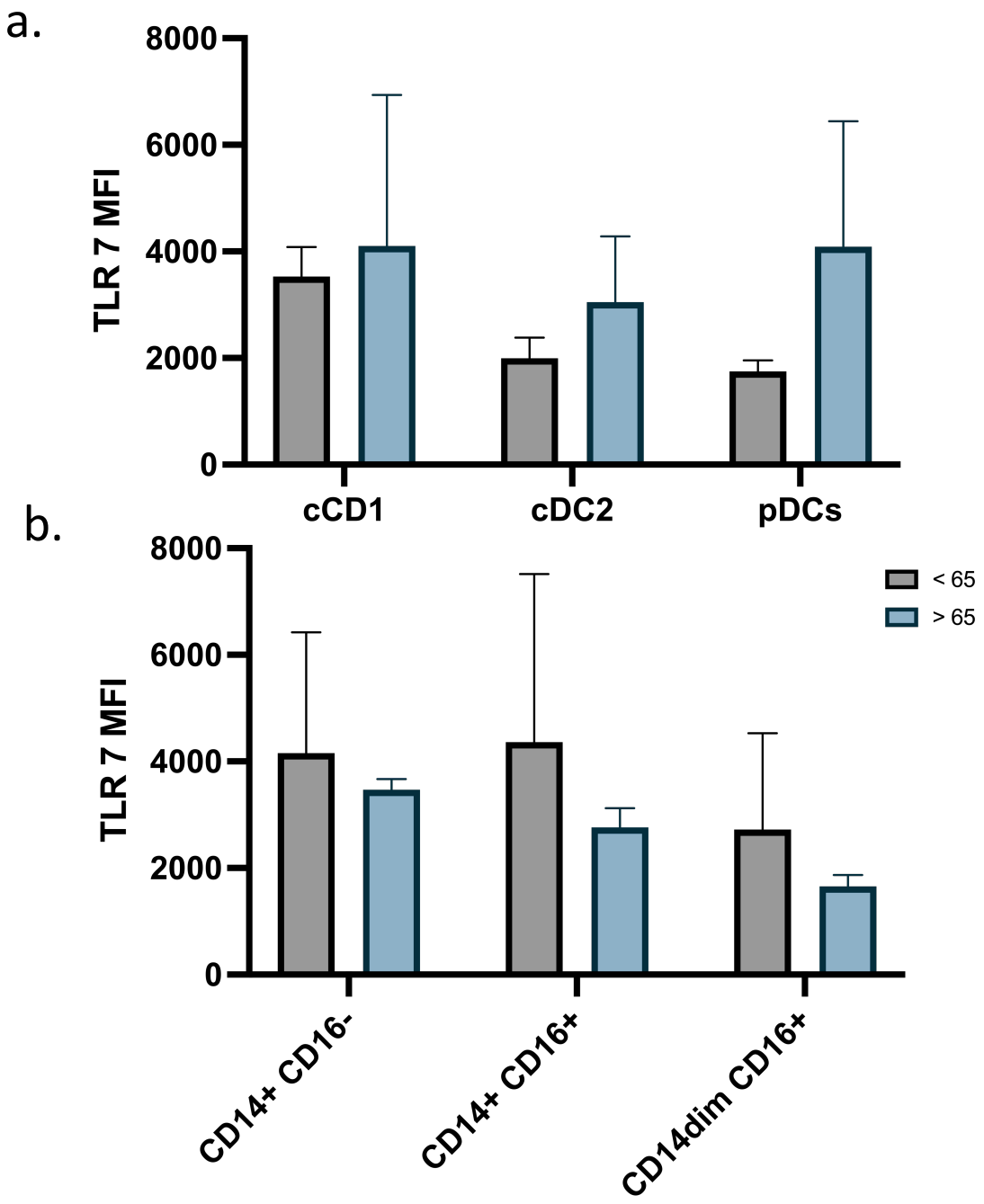




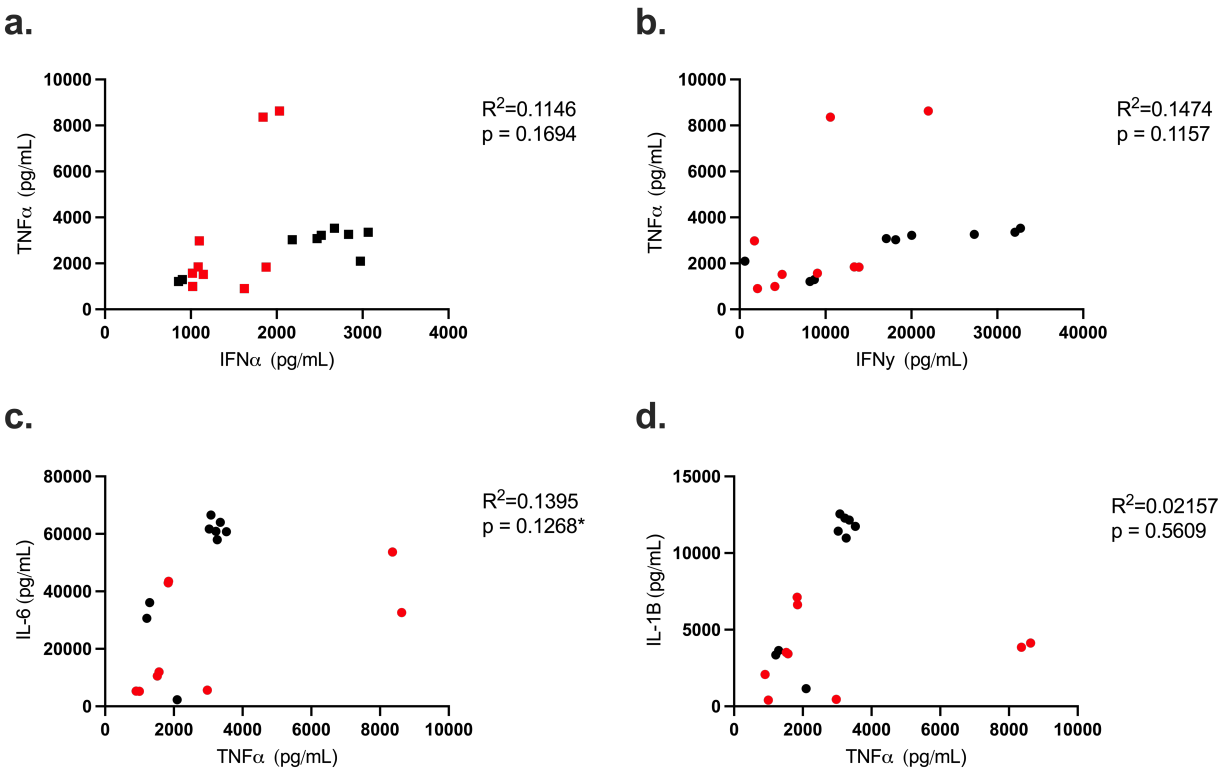
Supplemental fig 1 :Flow cytometry gating strategy

Supplemental table 2: Flow cytometry antibody list

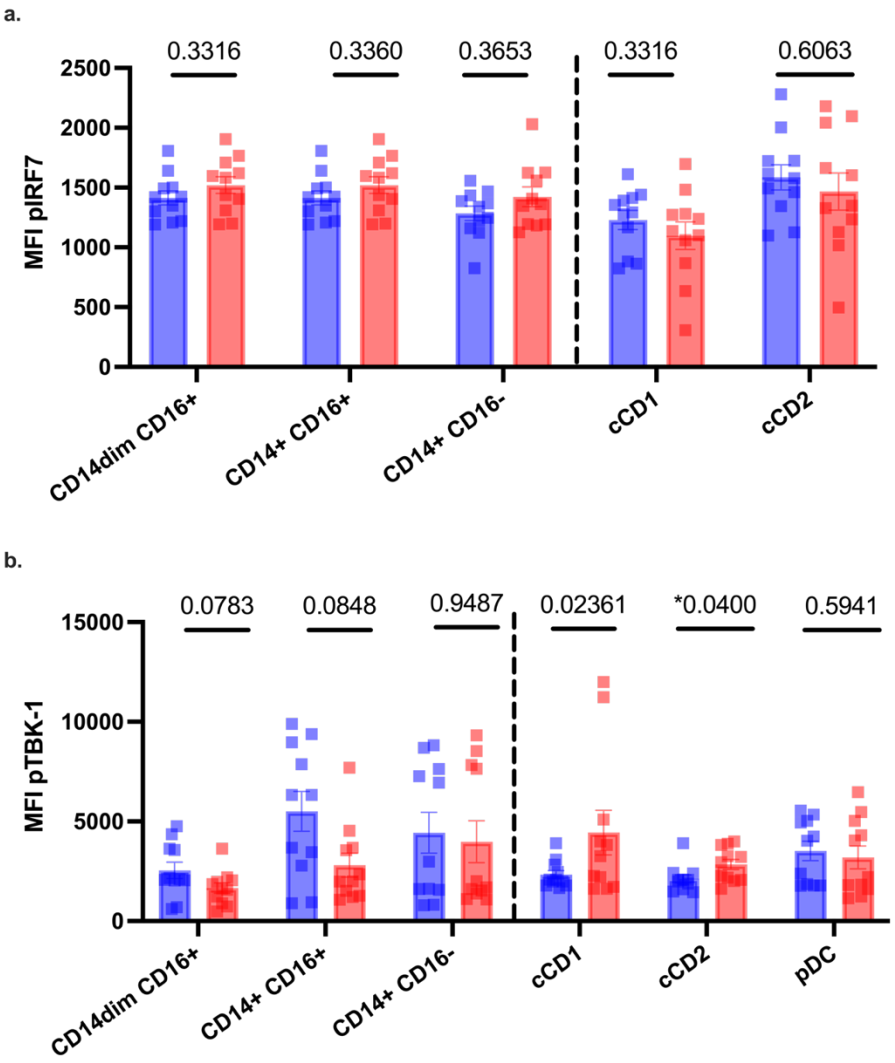
Antigen	Clone	Fluorophore
CD3	HIT3α	PE-Cy7
CD56	5.1H11	PE-Cy7
CD19	HIB19	PE-Cy7
CD20	2H7	PE-Cy7
CD11c	BU15	BV605
CD14	M5E2	PE-Tx Red
HLA-DR	L243	AF700
CD16	3G8	BV650
CD1c	L161	APC-Cy7
CD303	201A	PerCP5.5
pIRF7	K47-671	APC
pTBK-1	J133-587	PE
STING	T3-680	BV421
CD141	AD5-14H12	FITC



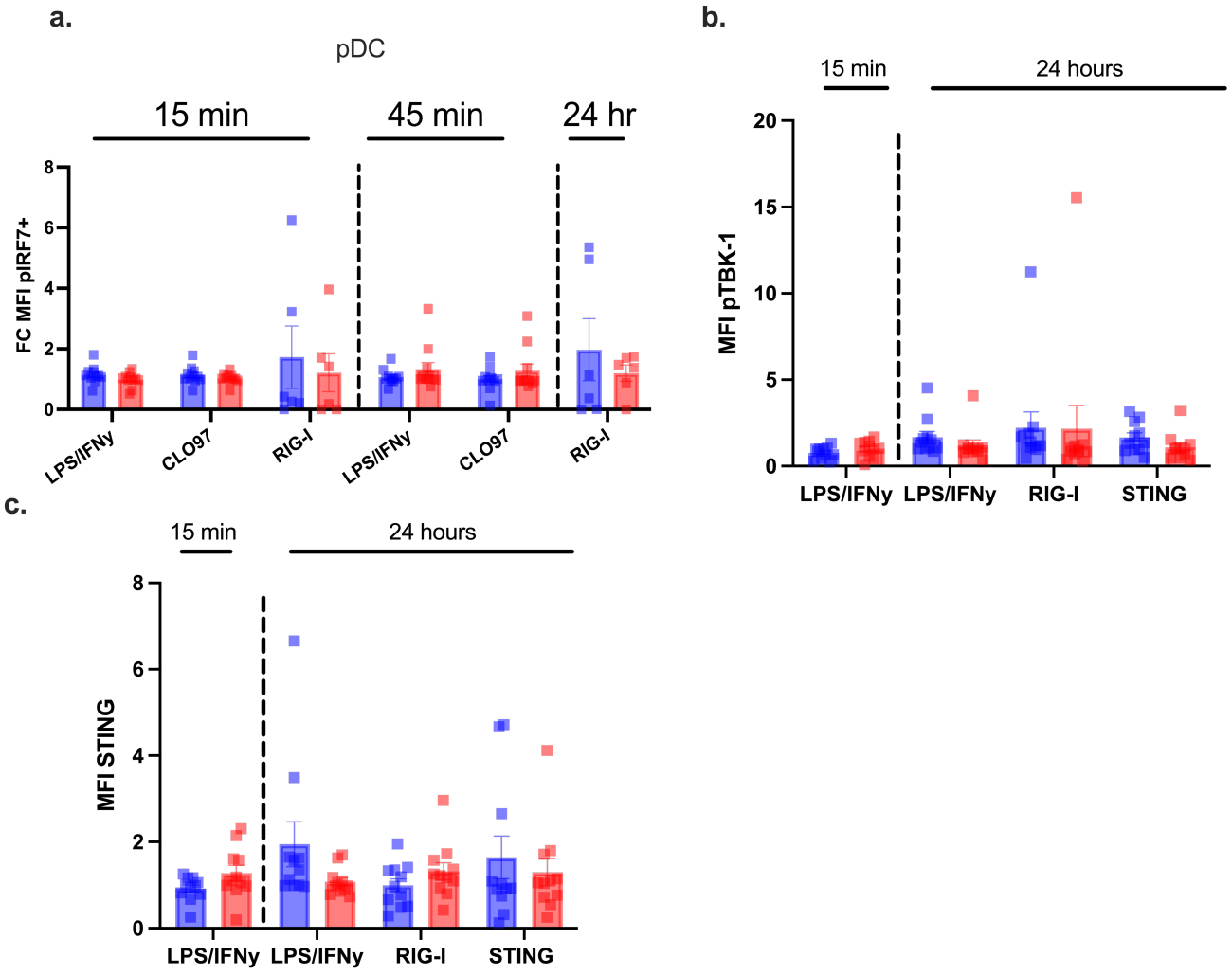
Supplemental fig 2 :TLR7 expression on surface of DC and monocyte subsets



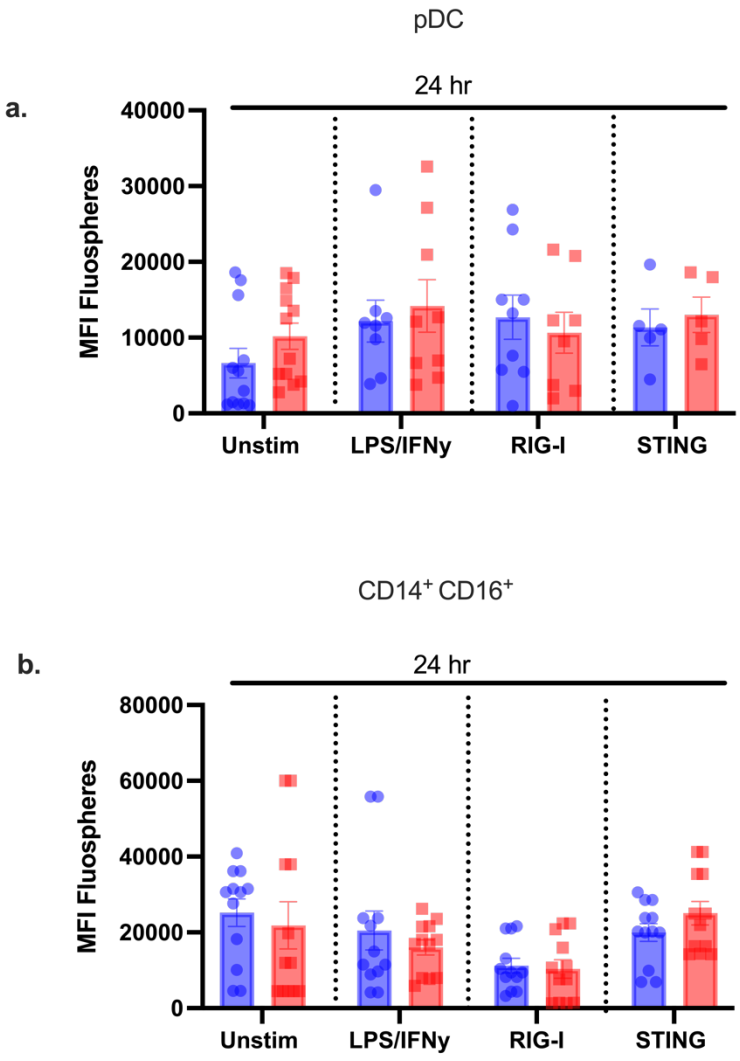
Supplemental fig 3: Some cytokines were not significantly correlated independent of age



Supplemental fig 4: pIRF7 and pTBK-1 is not significantly different between age groups at baseline



Supplemental fig 5: Phosphorylation of IRF7 or TBK-1 was not significantly different in classical monocytes or pDCs.



Supplemental fig 6 : Phagocytosis was not significantly different in pDCs or intermediate CD14+ CD16+ monocytes