SUPPLEMENTAL DATA

Cell Type		Murine		
		RAW Macrophage	3T3-L1 Fibroblast	3T3-L1 Fact Cell
Dilution Ratio	Treatment			
1:3	DF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. S	**<0.0001**	**0.0003**	**<0.0001**
	SF vs. DF	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. DF	**0.0004**	**0.0043**	NS
	D vs. SF	**<0.0001**	**<0.0001**	**<0.0001**
1:6	DF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. DF	**<0.0001**	**<0.0001**	**0.0264**
	D vs. SF	**0.0192**	**<0.0001**	**<0.0001**
1:12	DF vs. S	**<0.0001**	NS	**<0.0001**
	SF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	**<0.0001**	**0.0049**
	D vs. S	**0.0115**	**<0.0001**	**<0.0001**
	D vs. DF	**<0.0001**	**<0.0001**	NS
	D vs. SF	**<0.0001**	**<0.0001**	**0.0264**
1:24	DF vs. S	**<0.0001**	**<0.0001**	NS
	SF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. S	**<0.0001**	**0.0118**	**<0.0001**
	D vs. DF	**<0.0001**	**0.0002**	**<0.0001**
	D vs. SF	**<0.0001**	**<0.0001**	**0.0002**
1:48	DF vs. S	**<0.0001**	**<0.0001**	NS
	SF vs. S	NS	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	**<0.0001**	**0.0117**
	D vs. S	**<0.0001**	NS	NS
	D vs. DF	**<0.0001**	**<0.0001**	NS

	D vs. SF	**<0.0001**	**<0.0001**	**0.0264**
1:96	DF vs. S	NS	**<0.0001**	**<0.0001**
	SF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	**0.0008**	**<0.0001**
	D vs. S	**<0.0001**	**<0.0001**	**0.0019**
	D vs. DF	**<0.0001**	**0.0012**	**<0.0001**
	D vs. SF	**<0.0001**	NS	**<0.0001**
1:192	DF vs. S	NS	**<0.0001**	**0.0117**
	SF vs. S	**<0.0001**	**<0.0001**	**<0.0001**
	SF vs. DF	**<0.0001**	NS	**<0.0001**
	D vs. S	**<0.0001**	NS	**<0.0001**
	D vs. DF	**<0.0001**	**<0.0001**	**<0.0001**
	D vs. SF	**<0.0001**	**<0.0001**	NS

Table S1. Statistical Analysis of in vitro cell viability data for saline, diluent, saline fibril and diluent. ANOVA p-values for dose dependent addition of S (saline), SF (saline fibril), D (diluent), DF (diluent fibril) for murine and human cell lines. NS denotes not significant.

TOTAL CELL (related to *Figure 3A*)						
Exploratory pairwise comparisons using ANOVA						
			Post hoc multiple comparisons (Tukey adjusted)			
		P value of ANOVA (S vs. SF vs. D vs. DF)	**S. vs D**	**SF vs. DF**	**S vs. SF**	**D vs. DF**
Non-diabetic	**3d**	**<0.0001**	**n.s.**	**<0.001**	**<0.0001**	**<0.0001**
Non-diabetic	**7d**	**<0.0001**	**<0.05**	**<0.001**	**<0.001**	**<0.0001**
Diabetic	**3d**	**<0.0001**	**<0.05**	**<0.05**	**<0.0001**	**<0.0001**
Diabetic	**7d**	**<0.0001**	**n.s.**	**<0.05**	**<0.0001**	**<0.0001**
Exploratory pairwise comparisons using two-sample t-test						
P value (3 day vs 7 day)			**P value (Non-diabetic vs Diabetic)**			
Non-diabetic	**S**	**n.s.**	**S**	**3d**	**<0.001**	
Non-diabetic	**SF**	**n.s.**	**S**	**7d**	**<0.0001**	
Non-diabetic	**D**	**<0.02**	**SF**	**3d**	**<0.0001**	
Non-diabetic	**DF**	**n.s.**	**SF**	**7d**	**<0.001**	
Diabetic	**S**	**<0.05**	**D**	**3d**	**<0.0001**	
Diabetic	**SF**	**n.s.**	**D**	**7d**	**<0.002**	
Diabetic	**D**	**n.s.**	**DF**	**3d**	**<0.0001**	
Diabetic	**DF**	**n.s.**	**DF**	**7d**	**<0.002**	

Table S2. Statistical Analysis of Total Cell number (leukocytes) recruitment data for fibril and phenolic diluent injections into mouse air pouch model (related to *Figure 3A*). Leukocyte recruitment was determined following injection of saline (S), diluent (D), and saline + fibril (SF), diluent + fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice. Exploratory ANOVA p-values for injection of S, SF, D, DF for non-diabetic and diabetic mice, 3 day and 7 day and Exploratory pairwise comparison using two-sample t-test p-values for 3D versus 7D injection and non-diabetic vs diabetic injection of S, SF, D, DF.

NEUTROPHILS (related to *Figure 3B*)						
Exploratory pairwise comparisons using ANOVA						
P value of ANOVA (S vs SF vs D vs DF)			**Post hoc multiple comparisons (Tukey adjusted)**			
			S. vs D.	**SF. vs DF.**	**S. vs SF.**	**D. vs DF.**
Non-diabetic	**3d**	**<0.001**	**n.s.**	**<0.001**	**n.s.**	**<0.001**
Non-diabetic	**7d**	**<0.001**	**n.s.**	**n.s.**	**<0.05**	**<0.05**
Diabetic	**3d**	**<0.001**	**n.s.**	**n.s.**	**<0.001**	**n.s.**
Diabetic	**7d**	**<0.001**	**n.s.**	**<0.005**	**n.s.**	**<0.001**
Exploratory pairwise comparisons using two-sample t-test						
P value (3 day vs 7 day)			**P value (Non-diabetic vs Diabetic)**			
Non-diabetic	**S**	**n.s.**	**S**	**3d**	**n.s.**	
Non-diabetic	**SF**	**n.s.**	**S**	**7d**	**<0.05**	
Non-diabetic	**D**	**<0.001**	**SF**	**3d**	**n.s.**	
Non-diabetic	**DF**	**n.s.**	**SF**	**7d**	**n.s.**	
Diabetic	**S**	**<0.01**	**D**	**3d**	**n.s.**	
Diabetic	**SF**	**n.s.**	**D**	**7d**	**<0.05**	
Diabetic	**D**	**n.s.**	**DF**	**3d**	**n.s.**	
Diabetic	**DF**	**<0.01**	**DF**	**7d**	**n.s.**	

Table S3. Statistical Analysis of neutrophil recruitment data for fibril and phenolic diluent injections into mouse air pouch model (related to *Figure 3B*). Neutrophil recruitment was determined following injection of saline (S), diluent (D), and saline fibril (SF), diluent fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice. Exploratory ANOVA p-values for injection of S, SF, D, DF for non-diabetic and diabetic mice, 3 day and 7 day and Exploratory pairwise comparison using two-sample t-test p-values for 3D versus 7D injection and non-diabetic vs diabetic injection of S, SF, D, DF.

MONOCYTES/MACROPHAGES (related to *Figure 3C*)						
Exploratory pairwise comparisons using ANOVA						
P value of ANOVA (S vs SF vs D vs DF)			**Post hoc multiple comparisons (Tukey adjusted)**			
			S vs. D	**SF vs. DF**	**S vs. SF**	**D vs. DF**
Non-diabetic	**3d**	**<0.001**	**n.s.**	**n.s.**	**<.001**	**<.001**
Non-diabetic	**7d**	**<0.001**	**<0.01**	**<0.001**	**<0.01**	**<0.001**
Diabetic	**3d**	**<0.001**	**n.s.**	**<0.01**	**<0.001**	**<0.001**
Diabetic	**7d**	**<0.001**	**n.s.**	**n.s.**	**<0.001**	**<0.001**
Exploratory pairwise comparisons using two-sample t-test						
P value (3 day vs 7 day)			**P value (Non-diabetic vs Diabetic)**			
Non-diabetic	**S**	**n.s.**	**S**	**3d**	**<0.001**	
Non-diabetic	**SF**	**<0.01**	**S**	**7d**	**<0.001**	
Non-diabetic	**D**	**n.s.**	**SF**	**3d**	**<0.05**	
Non-diabetic	**DF**	**n.s.**	**SF**	**7d**	**<0.001**	
Diabetic	**S**	**n.s.**	**D**	**3d**	**<0.002**	
Diabetic	**SF**	**n.s.**	**D**	**7d**	**<0.05**	
Diabetic	**D**	**<0.05**	**DF**	**3d**	**<0.001**	
Diabetic	**DF**	**<0.01**	**DF**	**7d**	**<0.05**	

Table S4 Statistical Analysis of monocyte/macrophage recruitment data for fibril and phenolic diluent injections into mouse air pouch model (related to *Figure 3C*) Macrophage and monocyte recruitment were determined following injection of saline (S), diluent (D), and saline fibril (SF), diluent fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice. Exploratory ANOVA p-values for injection of S, SF, D, DF for non-diabetic and diabetic mice, 3 day and 7 day and Exploratory pairwise comparison using two-sample t-test p-values for 3D versus 7D injection and non-diabetic vs diabetic injection of S, SF, D, DF.

LYMPHOCYTES (related to *Figure 3D*)						
Exploratory pairwise comparisons using ANOVA						
P value of ANOVA (S vs. SF vs. D vs. DF)			**Post hoc multiple comparisons (Tukey adjusted)**			
			S vs. D	**SF vs. DF**	**S vs. SF**	**D vs. DF**
Non-diabetic	**3d**	**<0.001**	**n.s.**	**<0.001**	**n.s.**	**<0.001**
Non-diabetic	**7d**	**<0.05**	**n.s.**	**<0.002**	**n.s.**	**<0.005**
Diabetic	**3d**	**<0.05**	**n.s.**	**n.s.**	**n.s.**	**<0.05**
Diabetic	**7d**	**<0.02**	**n.s.**	**<0.05**	**<0.05**	**n.s.**
Exploratory pairwise comparisons using two-sample t-test						
P value (3 day vs. 7 day)			**P value (Non-diabetic vs Diabetic)**			
Non-diabetic	**S**	**n.s.**	**S**	**3d**	**n.s.**	
Non-diabetic	**SF**	**n.s.**	**S**	**7d**	**n.s.**	
Non-diabetic	**D**	**n.s.**	**SF**	**3d**	**n.s.**	
Non-diabetic	**DF**	**n.s.**	**SF**	**7d**	**<0.05**	
Diabetic	**S**	**n.s.**	**D**	**3d**	**n.s.**	
Diabetic	**SF**	**n.s.**	**D**	**7d**	**n.s.**	
Diabetic	**D**	**<0.05**	**DF**	**3d**	**<0.001**	
Diabetic	**DF**	**n.s.**	**DF**	**7d**	**n.s.**	

Table S5 Statistical Analysis of lymphocyte recruitment data for fibril and phenolic diluent injections into mouse air pouch model (related to *Figure 3D*). Lymphocyte recruitment into the AIR POUCH was determined following injection of saline (S), diluent (D), and saline fibril (SF), diluent fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice. Exploratory ANOVA p-values for injection of S, SF, D, DF for non-diabetic and diabetic mice, 3 day and 7 day and Exploratory pairwise comparison using two-sample t-test p-values for 3D versus 7D injection and non-diabetic vs diabetic injection of S, SF, D, DF.

Total Cell (x1,000) (related to *Figures 2 and Table 1*)							
Mouse Status		**3 DAY**			**7 DAY**		
		N	**Mean**	**SD**	**N**	**Mean**	**SD**
Non-diabetic	**S**	**7**	**126**	**27**	**6**	**148**	**61**
	SF	**8**	**1233**	**483**	**6**	**1092**	**364**
	D	**8**	**549**	**222**	**5**	**991**	**321**
	DF	**8**	**2007**	**375**	**6**	**2183**	**468**
Diabetic	**S**	**7**	**438**	**127**	**6**	**690**	**152**
	SF	**6**	**3590**	**827**	**6**	**2775**	**562**
	D	**6**	**1710**	**482**	**6**	**1529**	**140**
	DF	**9**	**4788**	**1016**	**7**	**3963**	**844**

Table S6. Raw data for Total Cells from mouse air pouch model for following injection of phenolic compounds and insulin fibrils in non-diabetic and diabetic mice. Presented in **Table S1** is the raw data used for **Figure 3.** MAP treatments include: saline (S), diluent (D), saline + fibril (SF), and diluent + fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice.

Neutrophils (x1,000) (related to *Figures 3 and Table 2*)							
Mouse Status		**3 DAY**			**7 DAY**		
		N	**Mean**	**SD**	**N**	**Mean**	**SD**
Non-diabetic	**S**	**7**	**38**	**15**	**6**	**60**	**29**
	SF	**8**	**350**	**206**	**6**	**545**	**321**
	D	**8**	**146**	**102**	**5**	**374**	**65**
	DF	**8**	**870**	**387**	**6**	**890**	**407**
Diabetic	**S**	**7**	**39**	**23**	**6**	**160**	**76**
	SF	**6**	**1003**	**668**	**6**	**658**	**191**
	D	**6**	**144**	**27**	**6**	**234**	**122**
	DF	**9**	**649**	**343**	**7**	**1435**	**629**

Table S7. Raw data for Neutrophils from mouse air pouch model for following injection of phenolic compounds and insulin fibrils in non-diabetic and diabetic mice. Presented here is the raw data used for ***Figure 3B*****.** MAP treatments include: saline (S), diluent (D), saline + fibril (SF), and diluent + fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice.

Monocyte/Macrophage Cell (x1,000) (related to *Figures 3 and Table 3*)							
Mouse Status		3 DAY			7 DAY		
		N	Mean	SD	N	Mean	SD
Non-diabetic	S	7	77	13	6	76	29
	SF	8	802	280	6	453	65
	D	8	353	137	5	476	202
	DF	8	1007	351	6	1133	283
Diabetic	S	7	359	103	6	454	96
	SF	6	2353	1015	6	1869	375
	D	6	1378	421	6	728	91
	DF	9	3778	845	7	2202	790

Table S8. Raw data for Monocytes/Macrophages from mouse air pouch model for following injection of phenolic compounds and insulin fibrils in non-diabetic and diabetic mice. Presented here is the raw data used for ***Figure 3C*****.** MAP treatments include: saline (S), diluent (D), saline + fibril (SF), and diluent + fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice.

Lymphocytes (x1,000) (related to *Figures 3 and Table 4*)							
Mouse Status		3 DAY			7 DAY		
		N	Mean	SD	N	Mean	SD
Non-diabetic	S	7	7	7	6	6	5
	SF	8	42	13	6	47	25
	D	8	33	17	5	79	64
	DF	8	827	262	6	539	448
Diabetic	S	7	6	2	6	20	28
	SF	6	139	100	6	144	65
	D	6	39	31	6	111	61
	DF	9	226	190	7	186	115

Table S9. Raw data for Lymphocytes from mouse air pouch model for following injection of phenolic compounds and insulin fibrils in non-diabetic and diabetic mice. Presented here is the raw data used for ***Figure 3D.*** MAP treatments include: saline (S), diluent (D), saline + fibril (SF), and diluent + fibril (DF) for 3-days (3D) and 7-days (7D) in non-diabetic and diabetic mice.