



1 **Supplemental Figure S1. Effect of PKC $\alpha$  inhibition on *Prep1* mRNA levels.** CTRL and *Prep1*  
2 overexpressing MAEC cells were incubated with bisindolylmaleimide (BIM) at 100 nM  
3 concentration for 30 minutes. *Prep1* mRNA levels were evaluated by real-time RT-PCR analysis in  
4 CTRL and *Prep1* overexpressing MAEC cells. Data were normalized by the amount of *beta-actin*,  
5 used as internal control. Bars represent the mean  $\pm$  SD of three independent experiments, each  
6 performed in triplicate. Asterisks denote statistical differences (\*\*p<0.01, \*\*\*p<0.001).

**ESM Table S1.**

| <b>PRIMERS</b> | <b>SEQUENCES</b>  |
|----------------|---|
| Prep1          | Forward: 5'-CCTGGGACAATTAGGATCCAGAACT-3'<br>Reverse: 5'-TCCTCTGTTGGGTAGGGATGCC-3' |
| TNF $\alpha$   | Forward: 5'-GATCGGTCCCCAAAGGGATG-3'<br>Reverse: 5'-CCACTTGGTGGTTTGTGAGTG-3'       |
| IL-6           | Forward: 5'-GCCAGAGTCCTTCAGAGAGA-3'<br>Reverse: 5'-GGTCTTGGTCCTTAGCCACT-3'        |
| IL-1 $\beta$   | Forward: 5'-AACCTTTGACCTGGGCTGTC-3'<br>Reverse: 5'-CCTCATCCTGGAAGGTCCAC-3'        |
| SOD2           | Forward: 5'-CAAAGGAGAGTTGCTGGAGG-3'<br>Reverse: 5'-TCCTTGCAATGGGTCCTGAT-3'        |
| ATF4           | Forward: 5'-CTCATGGGGCCTTTAGGACG-3'<br>Reverse: 5'-GTGGTCACGTGATCCTACCG-3'        |
| $\beta$ -ACTIN | Forward: 5'-GGTGGGAATGGGTCAGAAGG-3'<br>Reverse: 5'-GTTGGCCTTAGGGTTCAGGG-3'        |

**Primer sequences used in Real-time RT-PCR analysis.**