Supplementary Material

# Supplementary Data

## Supplementary Figures and Tables

## Supplementary Tables

Supplementary Table S1: Key resources used in this study

|  |  |  |
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| **KEY RESOURCES**  |   |   |
| **REAGENT or RESOURCE** | **SOURCE** | **IDENTIFIER** |
| **Antibodies / staining agents** |
| anti-TSG-101  | GeneTex Inc.  | GTX70255  |
| anti-Flotillin  | Cell Signalling  | 3253S  |
| anti-CD81  | SantaCruz  | sc-7637  |
| anti-CD63  | Santa Cruz  | sc-5275  |
| anti-Myeloperoxidase  | Abcam  | ab9535  |
| anti-p120-catenin  | SantaCruz  | sc-13957  |
| anti-β-actin AC-15  | Sigma Aldrich  | A1978  |
| anti-β-Catenin  | BD Transduction Laboratories  | 610154 |
| anti-VE-Cadherin  | SantaCruz  | sc-28644  |
| anti-Claudin-5 | SantaCruz  | sc-374221 |
| anti-PRKD1 | Cell Signalling  | D4J1N |
| anti-pPRKDS910/916 | Cell Signalling  | 2051S |
| anti-pp65S536 | Cell Signalling  | 3033S |
| anti-ROCK1 | Cell Signalling  | 4035S |
| anti-VE-Cadherin  | SantaCruz  | sc-9989 |
| anti-Vinculin | Sigma Aldrich | V9264 |
| anti-Cortactin | SantaCruz | sc-11408 |
| anti-LTA4H | SantaCruz | sc-514465 |
| anti-NSMASE2 | SantaCruz | sc-166637 |
| anti-CHMP3 | SantaCruz | sc-166361 |
| anti-p65 | Cell Signalling  | 8242 |
| anti-CD34 | Abcam  | 8158 |
| anti-mouse IgG HRP  | GE Healthcare Life Sciences  | NA931V  |
| anti-rabbit IgG HRP  | GE Healthcare Life Sciences  | NA934V  |
| Alexa-Fluor 488/568/647 goat-anti-mouse  | ThermoFisher Scientific  | A11031  |
| A11001  |
| A21235  |
| Alexa-Fluor 488/568/647 goat-anti-rabbit  | ThermoFisher Scientific  | A11034  |
| A11011  |
| A21244  |
| Alexa-Fluor 647 Phalloidin  | ThermoFisher Scientific  | A22287  |
| **Antibodies for flow cytometry** |
| anti-(ICAM-1)-APC +Isotype | Miltenyi Biotec | 130-103-840 |
| anti-(VCAM-1)-FITC Isotype | Miltenyi Biotec | 130-104-124 |
| anti-(CD62E)-APC Isotype | Miltenyi Biotec | 130-105-468 |
| **Chemicals, Inhibitors, Peptides, and Recombinant Proteins** |  |
| Thrombin | Sigma Aldrich  | T6884  |
| GW4869  | Sigma Aldrich  | D1692-5MG  |
| CRT0066101  | Sigma Aldrich  | SML1507 |
| kb-NB-142-70 | Sigma Aldrich  | SML0525 |
| BAY 11-7082  | Sigma Aldrich  | 196870 |
| Amiloride | Sigma Aldrich  | A7410 |
| y-27632 | Sigma Aldrich  | Y0503 |
| Safingol | Sigma Aldrich  | 860488P |
| CP-105696 | Sigma Aldrich  | PZ0363 |
| LY255283 | Cayman | 70715 |
| IL1ß | PeproTech  | 200-01B  |
| IL6 | PeproTech  | 200-06  |
| CXCL8 | PeproTech  | 200-08  |
| C3a | abbexa  | abx066057  |
| C5a des-arg | Merck  | 204902-30UG  |
| **Critical Commercial Assays** |  |
| human IL-6 ELISA kit  | ThermoFisher Scientific  | BMS213-2  |
| human IL-8/CXCL8 ELISA  | R&D Systems  | D8000C  |
| LTB4 ELISA  | R&D Systems  | KGE006B  |
| LTB4 ELISA  | Enzo  | ADI-901-068 |
| Respiratory Burst kit | Cayman | 601130 |
| **Experimental Models: Cell Lines** |  |  |
| HUVEC  | ATCC  | CRL-1730  |
| **Experimental Models: Organisms/Strains** |  |  |
| C57BL/6  | purchased from animal facility Ulm  |   |
| **qPCR Primer human** |  |  |
| C3  | Qiagen  | QT00089698  |
| CCL2  | Qiagen  | QT00212730  |
| CXCL2  | Qiagen  | QT00013104  |
| CXCL5  | Qiagen  | QT00203686  |
| CXCL8 (IL-8)  | Qiagen  | QT00000322  |
| GAPDH  | Qiagen  | QT00079247  |
| ICAM-1  | Qiagen  | QT00074900  |
| IL1b  | Qiagen  | QT00021385  |
| IL6  | Qiagen  | QT00083720  |
| PRKD1 | Qiagen  | QT00084847 |
| RHOB  | Qiagen  | QT00227409  |
| ROCK1 | Qiagen  | QT00034972 |
| ROCK1 | Qiagen  | QT00034972 |
| SELE (E-Selectin) | Qiagen | QT00015358 |
| TNF-alpha  | Qiagen  | QT00029162  |
| VCAM-1  | Qiagen  | QT00018347  |
| **siRNAs** |  |  |
| siLTA4H | invitrogen | s8306 |
| siCXCL8 | invitrogen | s7327 |
| siIL6 | invitrogen | s7313 |
| SMPD3 | invitrogen | s30927 |
| VPS24 | invitrogen | s28474 |
| **shRNAs** |  |  |
| shScramble | Sigma-Aldrich | shc002 |
| shPRKD1 | Sigma-Aldrich | NM\_002742.x-2978s1c1 |
| **Lentiviral packaging constructs** |  |  |
| psPAX2 | Addgene | #12260 |
| pMD2.G | Addgene | #12259 |
| **Mammalian expression constructs** |  |  |
| pcDNA3-PRKD1 | Hausser et al. 2002 |   |