Supplementary Material

Properdin inhibition ameliorates hepatic ischemia/reperfusion injury without interfering with liver regeneration in mice.

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**Supplemental Table 1**

Primer sequences used in the present study.

|  |  |
| --- | --- |
|  | Primer sequences (5'-3') |
| Genes | Forward | Reverse |
| GAPDH | TGTGTCCGTCGTGGATCTGA | TTGCTGTTGAAGTCGCAGGAG |
| IL-1β | GGTCAAAGGTTTGGAAGCAG | TGTGAAATGCCACCTTTTGA |
| IL-6 | ACCAGAGGAAATTTTCAATAGGC | TGATGCACTTGCAGAAAACA |
| TNF-α | AGGGTCTGGGCCATAGAACT | CCACCACGCTCTTCTGTCTAC |
| CXCL-1 | TCTCCGTTACTTGGGGACAC | CCACACTCAAGAATGGTCGC |
| CXCL-2 | TCCAGGTCAGTTAGCCTTGC | CGGTCAAAAAGTTTGCCTTG |

**Supplemental Table 2**

Primary antibodies used in immunohistochemistry.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Antibody | Target | Species | Company | Catalog No. | Dilution |
| C3 | Complement 3 activation | Rabbit polyclonal | Abcam, Cambridge, UK | ab11887 | 1:200 |
| F4/80 | Macrophages | Rat monoclonal | eBioscience, San Diego, CA | 14-4801 | 1:50 |
| 8-hydroxy-2’-deoxyguanosine(8-OHdG) | Oxidative stress | Mouse monoclonal | Japan Institute for the Control of Aging, Nikken SEIL, Shizuoka, Japan | clone N45.1 | 1:10 |
| CD11b | Infiltrating macrophages/ neutrophils | Rabbit polyclonal | Abcam, Cambridge, UK | ab75476 | 1:400 |
| single-stranded DNA (ssDNA) | Apoptotic cell death | Rabbit polyclonal | IBL, Fujioka, Japan | 18731 | 1:600 |
| CD41\* | Platelet activation/ aggregation | Rat monoclonal | GeneTex, Irvine, CA | MWReg30 | 1:100 |
| Lymphocyte antigen 6 complex locus G (Ly6-G)\* | Neutrophils | Rat monoclonal | Tonbo Biosciences, Irvine, CA | 5931 | 1:10 |
| BrdU | DNA synthesis | Mouse monoclonal | Leica Biosystems, Buffalo, IL | NCL-BrdU | 1:400 |
| Heme oxygenase 1 (HO-1) | Macrophages, hepatocytes | Rabbit polyclonal | Proteintech Group, IL | 10701-1-AP | 1:200 |

\* Antibodies were applied to frozen liver sections.

**Supplemental Table 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Antibody | Species | Company | Catalog No. | Dilution |
| β-Actin | Rabbit polyclonal | MBL, Nagoya, Japan | PM053 | 1:2000 |
| Cleaved Caspase-3 | Rabbit polyclonal | AST | 9661 | 1:500 |
| TLR-4 | Rabbit polyclonal | Novus Biologicals, Littleton, CO | NB100-56581 | 1:500 |
| p-IkBα | Rabbit monoclonal | CST | 2859 | 1:1000 |
| p-JNK | Rabbit monoclonal | CST | 4671 | 1:1000 |
| p-ERK1/2 | Rabbit monoclonal | CST | 4370 | 1:2000 |
| p-p38 | Rabbit monoclonal | CST | 4511 | 1:1000 |
| p-STAT | Rabbit monoclonal | CST | 9145 | 1:2000 |
| p-Akt | Rabbit monoclonal | CST | 4060 | 1:2000 |
| IkBα | Rabbit monoclonal | CST | 4812 | 1:1000 |
| JNK | Rabbit polyclonal | CST | 9252 | 1:1000 |
| ERK1/2 | Rabbit monoclonal | CST | 4695 | 1:1000 |
| p38 | Rabbit monoclonal | CST | 8690 | 1:1000 |
| STAT | Rabbit monoclonal | CST | 12640 | 1:1000 |
| Akt | Rabbit monoclonal | CST | 4691 | 1:1000 |