

**$\alpha_1$ -acid glycoprotein attenuates adriamycin-induced nephropathy via CD163**

**expressing macrophages induction**

**Rui Fujimura, Hiroshi Watanabe, Kento Nishida, Yukio Fujiwara, Tomoaki Koga,**

**Jing Bi, Tadashi Imafuku, Kazuki Kobayashi, Hisakazu Komori,**

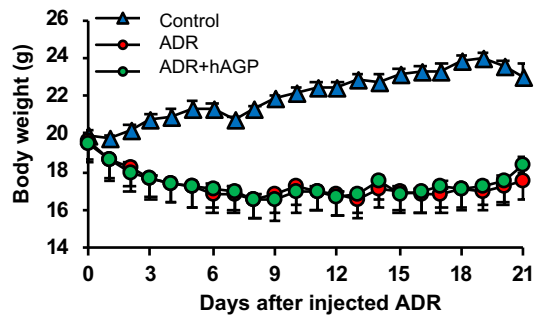
**Masako Miyahisa, Hitoshi Maeda, Motoko Tanaka, Kazutaka Matsushita,**

**Takashi Wada, Masafumi Fukagawa, and Toru Maruyama**

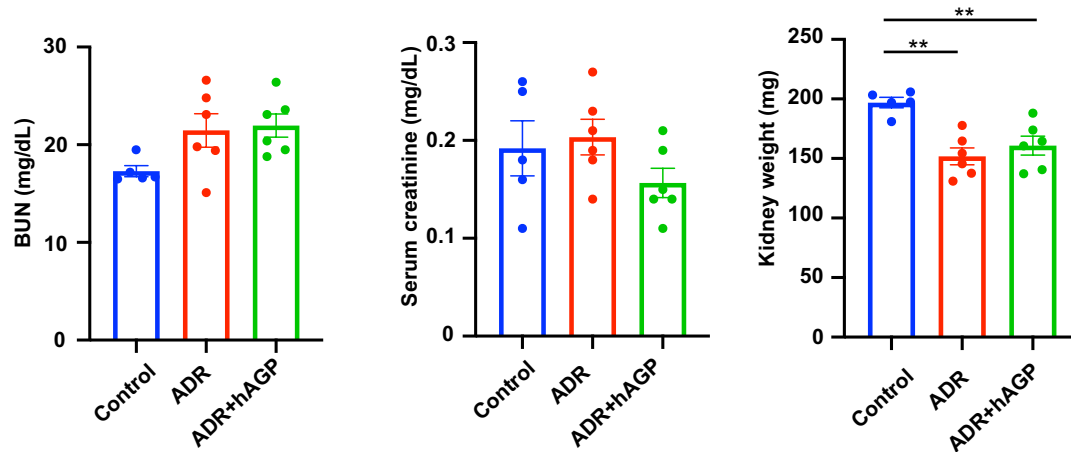
**Supplemental Information**

Supplemental Figure 1

**A**



**B**



Supplemental Fig.1. Biochemical parameters in ADR mice at day 21.

(A) Body weight after administration of ADR. (B) Level of blood urea nitrogen (BUN), serum creatinine and kidney weight at day 21 after administration of ADR. All data are mean  $\pm$  SE. \*\* $P < 0.01$ ; by one-way ANOVA and post hoc Tukey's multiple comparison. (Control  $n=5$ , ADR, ADR+hAGP  $n=6$ )

## Supplemental Table

### Primers used in qRT-PCR.

| Target gene | Forward (5'→3')               | Reverse (5'→3')                 |
|-------------|-------------------------------|---------------------------------|
| Mouse       |                               |                                 |
| GAPDH       | AACTTTGGCATTGTGGAAGG          | ACACATTGGGGGTAGGAACA            |
| Orm1        | ACACAATAGAGCTTCGGGAGTC        | ATATCTGGCCTTTTGGCATAGA          |
| Orm2        | GGCTGTCCTAAACCCTGATT          | GGTCCCATTCTCTCTCTGGA            |
| Orm3        | TTCTCATTGCTGTGGCTGAC          | GGTCCCATTCTCTCTCTGGA            |
| TGF-β       | TGGAAGTGGATCCA<br>CGCGCCCAAGG | GCAGGAGCGCACACG<br>ATCATGTTGGAC |
| IL-1β       | TGAGCTGAAAGCTCTCCACC          | CTGATGTACCAGTTGGGGAA            |
| CD163       | ATGGGCTAACTCCAGCGCCG          | GATCCATCTGAGCAGGTCCTCCA         |
| CD206       | GCCAGAGACATAACAGCA            | CAGGTTTCCTTTCAGTCCT             |
| iNOS        | AGTCAACTGCAAGAGAACGGA         | GAAGAGAAACTTCCAGGGGCA           |
| Human       |                               |                                 |
| GAPDH       | GGTGAAGGTCGGAGTCAACG          | ACCATGTAGTTGAGGTC<br>AATGAAGG   |
| CD163       | ACAGCGGCTTGCAGTTTCCT          | ATGGCCTCCTTTTCCATTCCAG          |
| CD206       | CGAGGAAGAGGTTTCGGTTCACC       | GCAATCCCGGTTCTCATGGC            |
| iNOS        | CGTGGAGACGGGAAAGAAGT          | CCTGGGTCCTCTGGTCAAAC            |
| IL-10       | AGGGAAGAAATCGATGACAGC         | TCAAGGCGCATGTGAACTC             |