



**Supplementary Figure S1.** (A, B) Levels of IgG and oxidative markers in Cx43<sup>+/+</sup> and Cx43<sup>-/-</sup> spleen tissues under basal and LPS-stimulated condition. Spleens from normal Cx43<sup>+/+</sup> or Cx43<sup>-/-</sup> mice or mice after administration of 30 mg/kg LPS for 48 h were collected and assayed for level of IgG, TXNIP, p-p38 and Cx43 using Western blot analysis. Note the difference in spleen IgG, TXNIP and Cx43 between Cx43<sup>+/+</sup> and Cx43<sup>-/-</sup> mouse under both basal and LPS-stimulated conditions.