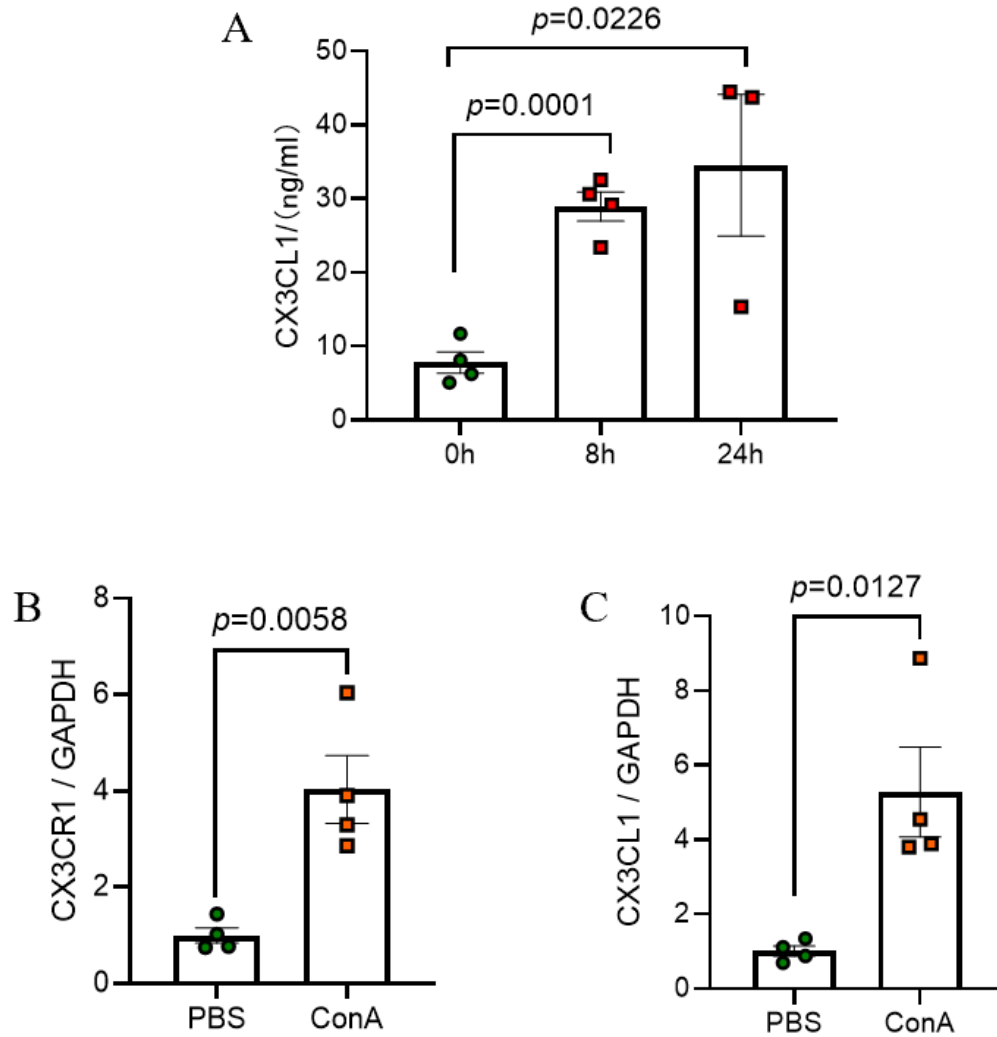


## **Supplementary Information**

**CX3CR1 deficiency exacerbates immune-mediated hepatitis by increasing NF- $\kappa$ B-mediated cytokine production in macrophage and T cell**

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## Supplementary Figure1



**Supplementary Figure1. Serum level of CX3CL1.** 15mg/kg body weight ConA were injected in 8 weeks C57BL/6J mice. Serum levels of CX3CL1(A) were measured by ELISA kit, and mRNA level of CX3CL1(B) and CX3CR1(C) were measured by RT-PCR at 8 hours after injection.

## BMDMs

Age-matched and sex-matched *Cx3cr1*<sup>+/+</sup> and *Cx3cr1*<sup>+/+</sup> mice were euthanized by CO<sub>2</sub>. Separate tibiae and femurs carefully, Cut the top end with sterile scissor, flushed the bone marrow with PBS into a sterile tube. Remove red blood cells with 5ml 1x red blood cell Lysis Solution. Adjust the cell density to 2 x 10<sup>6</sup> cells/ml in DMEM contain 20ng/ml CSF-1(PEPROTECH, 315-02). Seed bone marrow cells in 10cm petri dish, incubate at 37°C in 5% CO<sub>2</sub> atmosphere. On the next day, Add more 5ml differentiation medium in each dish. The bone marrow derived macrophage was ready on day 7.

## Resveratrol treatment before ConA

Resveratrol (Sigma-Aldrich) was dissolved in dimethyl sulfoxide (DMSO) at 200mg/ml, and store in 4°C. To inhibit the phosphorylation of NF-KB p65, mice was gavaged with resveratrol 30ug per g body weight per day, for 7 days before ConA. Mice was injected with 13 mg/ body weight ConA immediately after the last dose resveratrol, and sacrificed at 24 hours after ConA. Low dose ConA here to reduced mortality.

**Supplementary Table 1. Antibodies for flow cytometry**

Antibody	Clone	Cat Number	Company
CD45-FITC	30-F11	11-0451-82	eBioscience
CD45-e450	30-F11	48-0451-82	eBioscience
CD11b-PE-Cy7	M1/70	25-0112-81	eBioscience
Ly6C-e450	HK1.4	48593282	eBioscience
Ly6G-APC	1A8-Ly6g	17-9668-80	eBioscience
CD11c-PE	N418	12-0114-81	eBioscience
CD3-APC	17A2	17003282	eBioscience
CD4-e605	RM4-5	83-0042-42	eBioscience
CD8-e450	53-6.7	48-0081-82	eBioscience
NK1.1- FITC	PK136	11-5941-85	eBioscience
NK1.1	PK136	108713	Biolegend
CD1d-PE	1B1	12-0011-82	eBioscience
CCR2-APC	SA203G11	150627	Biolegend
CX3CR1-FITC	SA011F11	149019	Biolegend
CD11b- PE-Cy7	M1/70	25-0112-81	eBioscience
CD19-PE	6D5	115507	Biolegend
F4/80-e605	BM8	123133	Biolegend