

Inhibitory effects of Superoxide dismutase 3 inhibits on IgE production in B cells

Gaurav Agrahari¹, Shyam Kishor Sah², Chul Hwan Bang¹, Yeong Ho Kim¹ Tae-Yoon Kim^{1*}

¹Laboratory of Dermato-Immunology, College of Medicine, The Catholic University of Korea, 06591, Seoul, Republic of Korea

²Department of Reconstructive Sciences, Center for Regenerative Medicine and Skeletal Development, UConn Health, USA

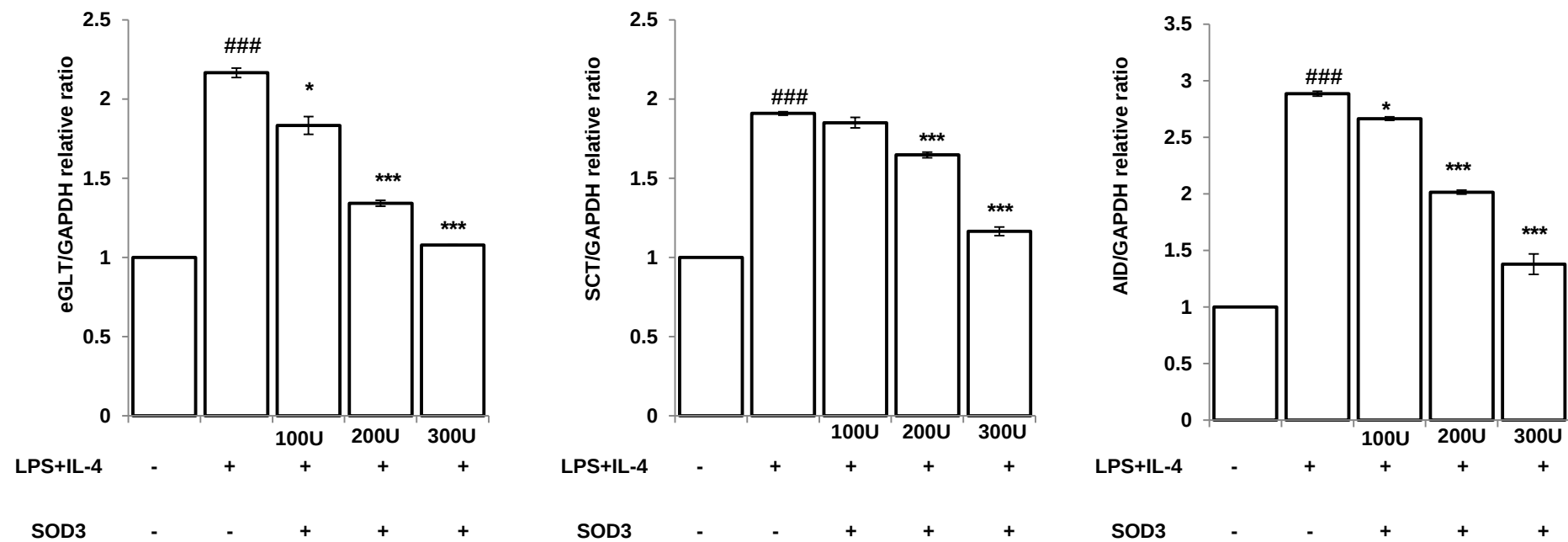
This pdf includes:

Supplementary figure: S1to S5

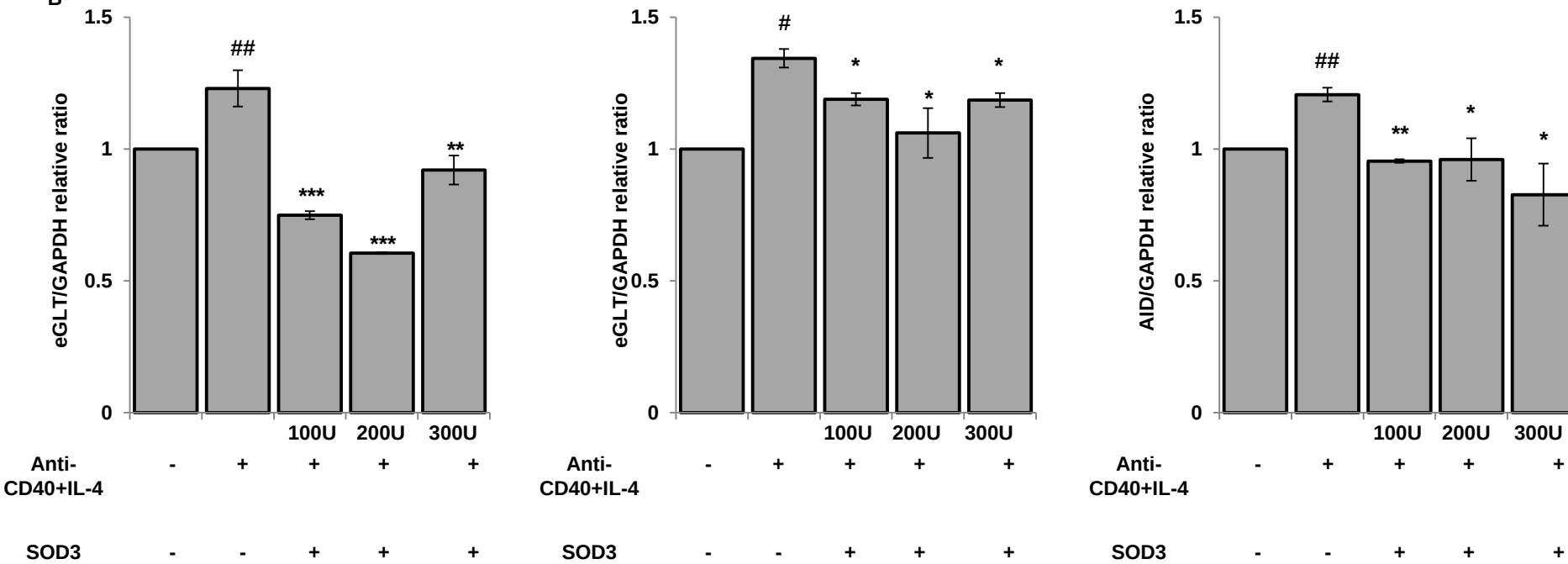
Supplementary figure legends

Figure S1

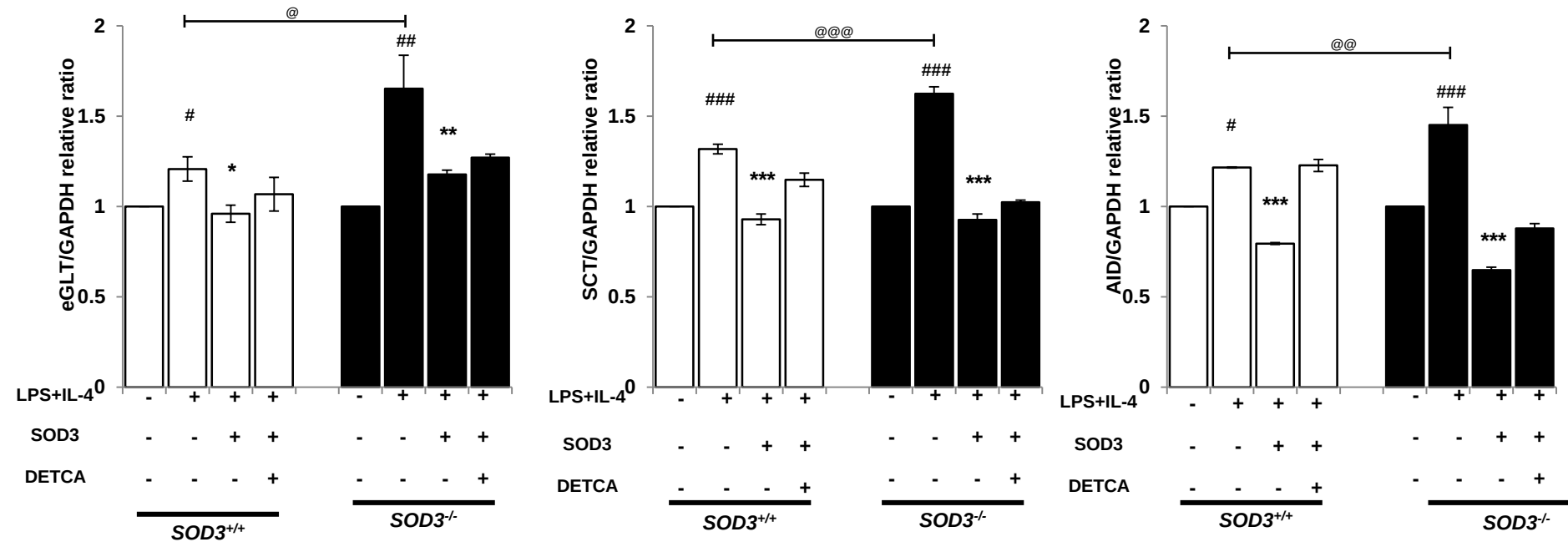
A



B



C



D

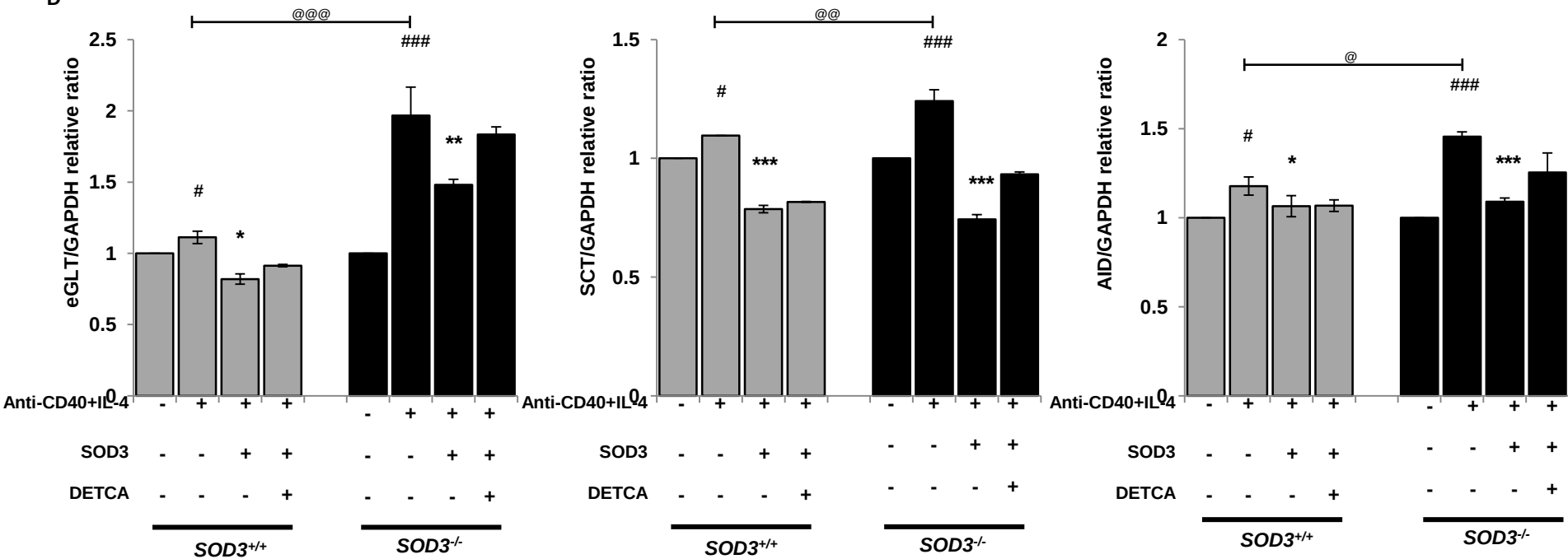
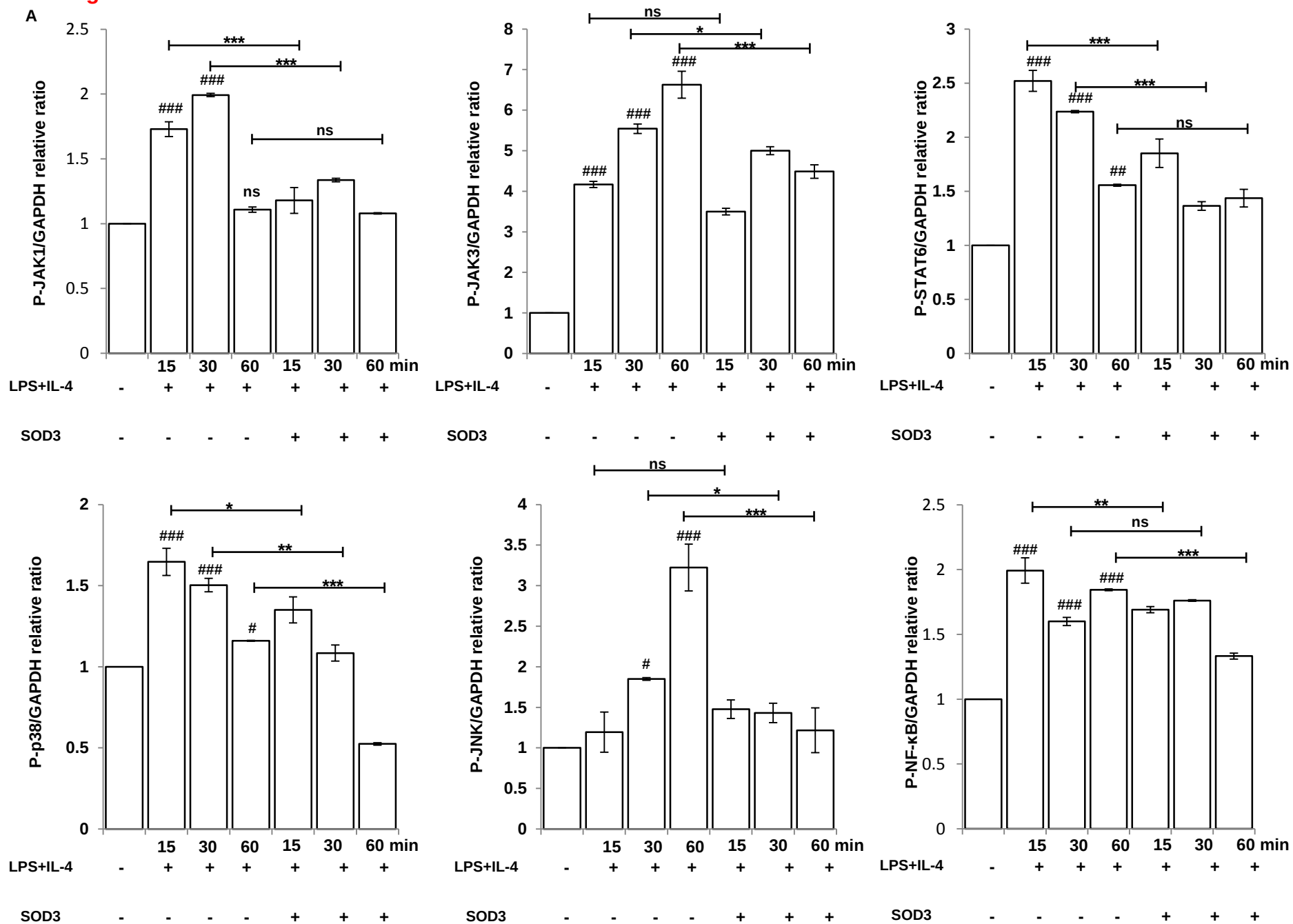


Figure S2

A



B

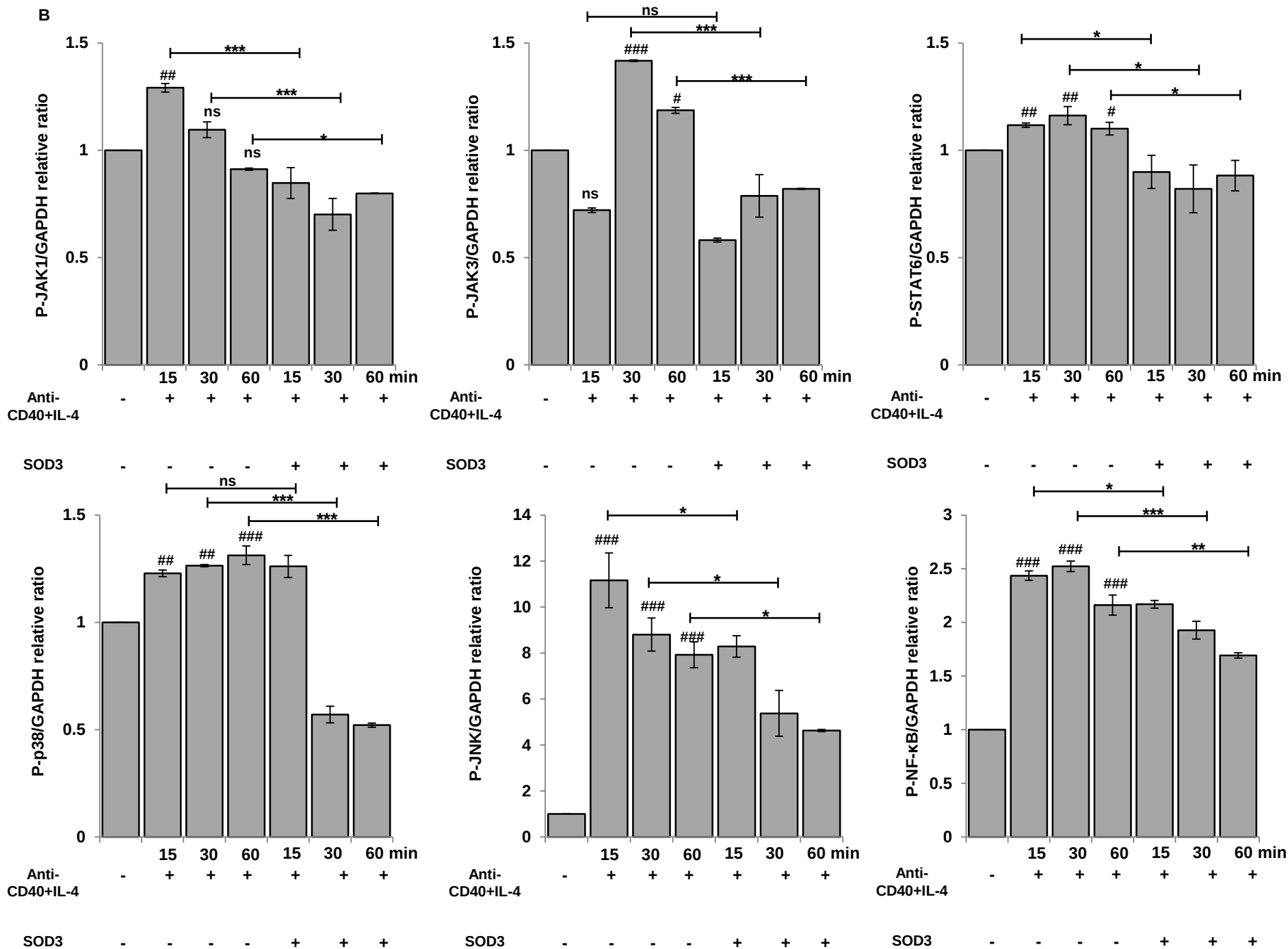
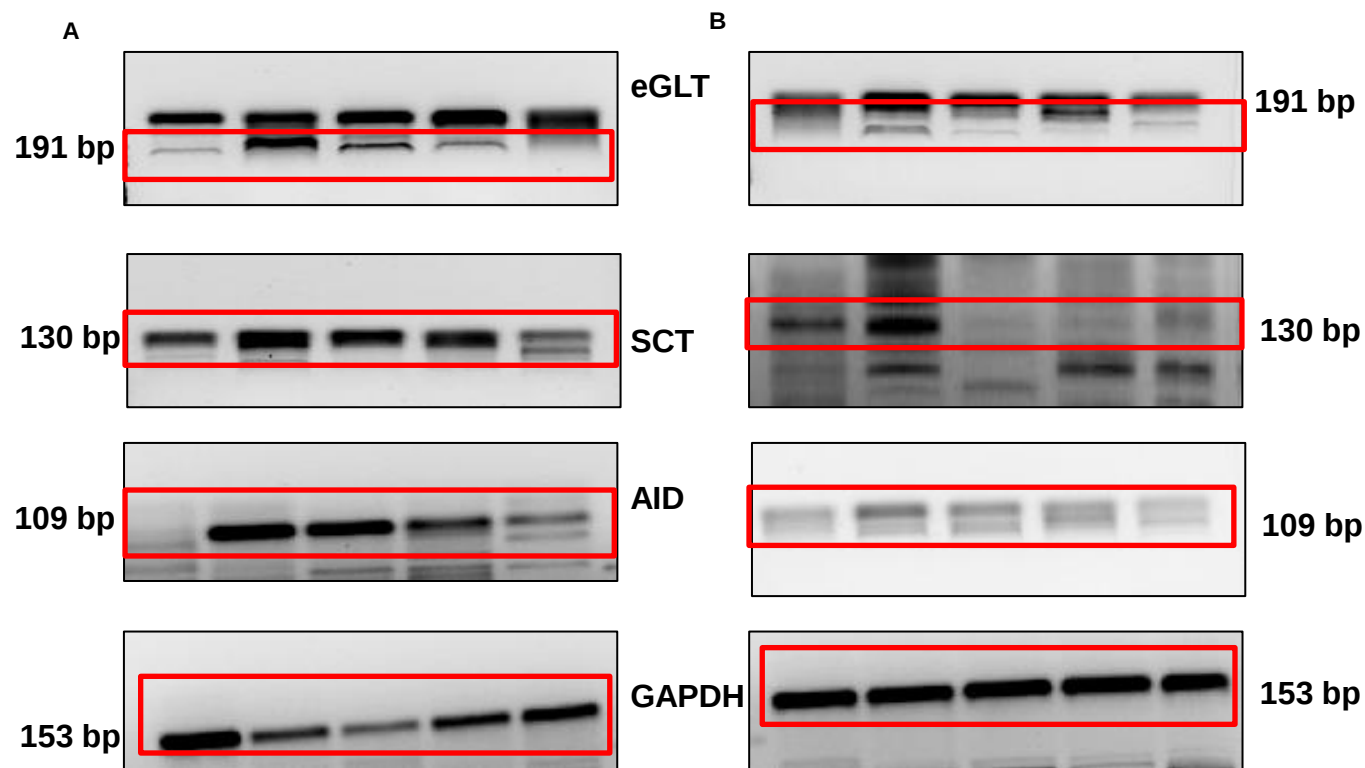


Figure S3



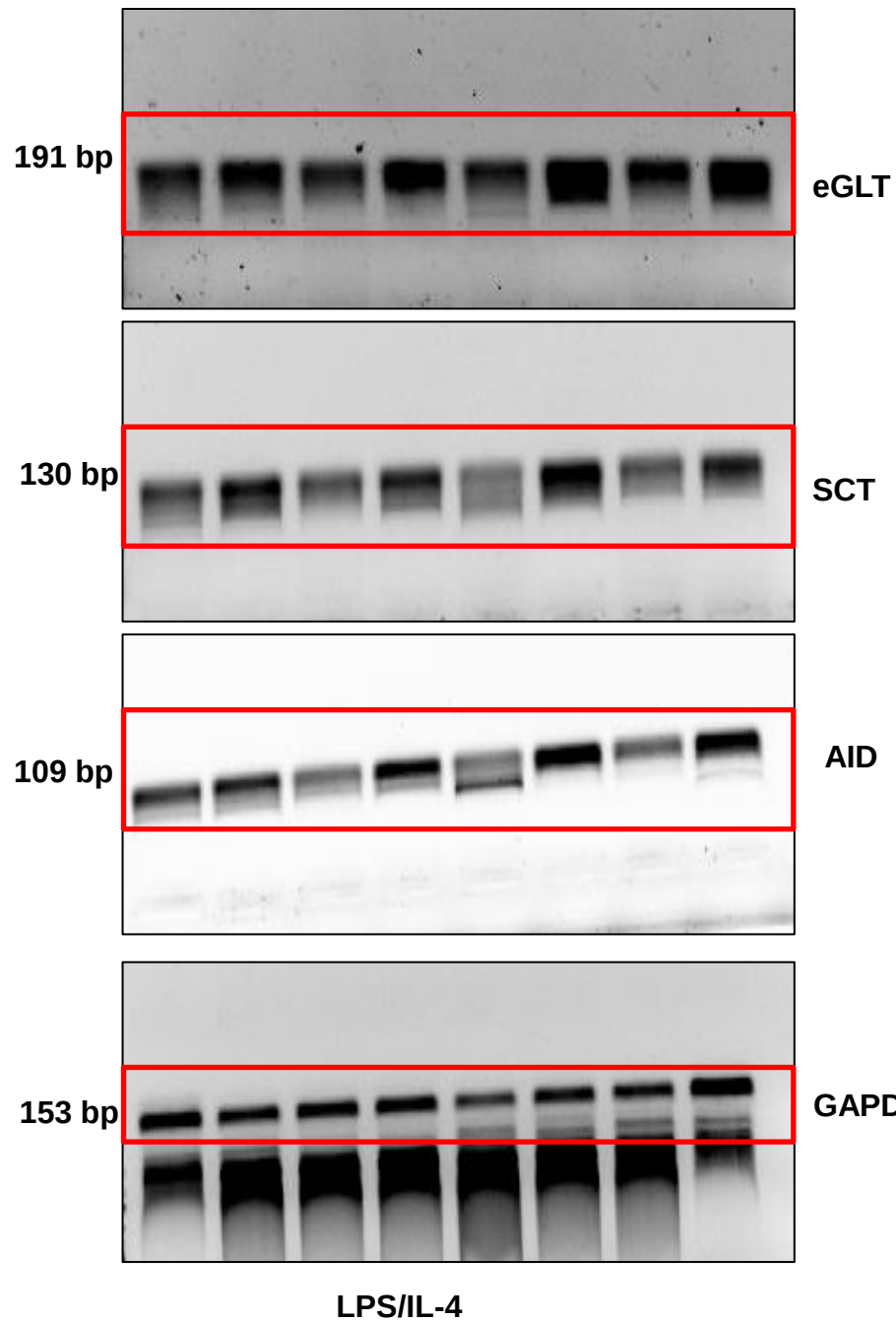
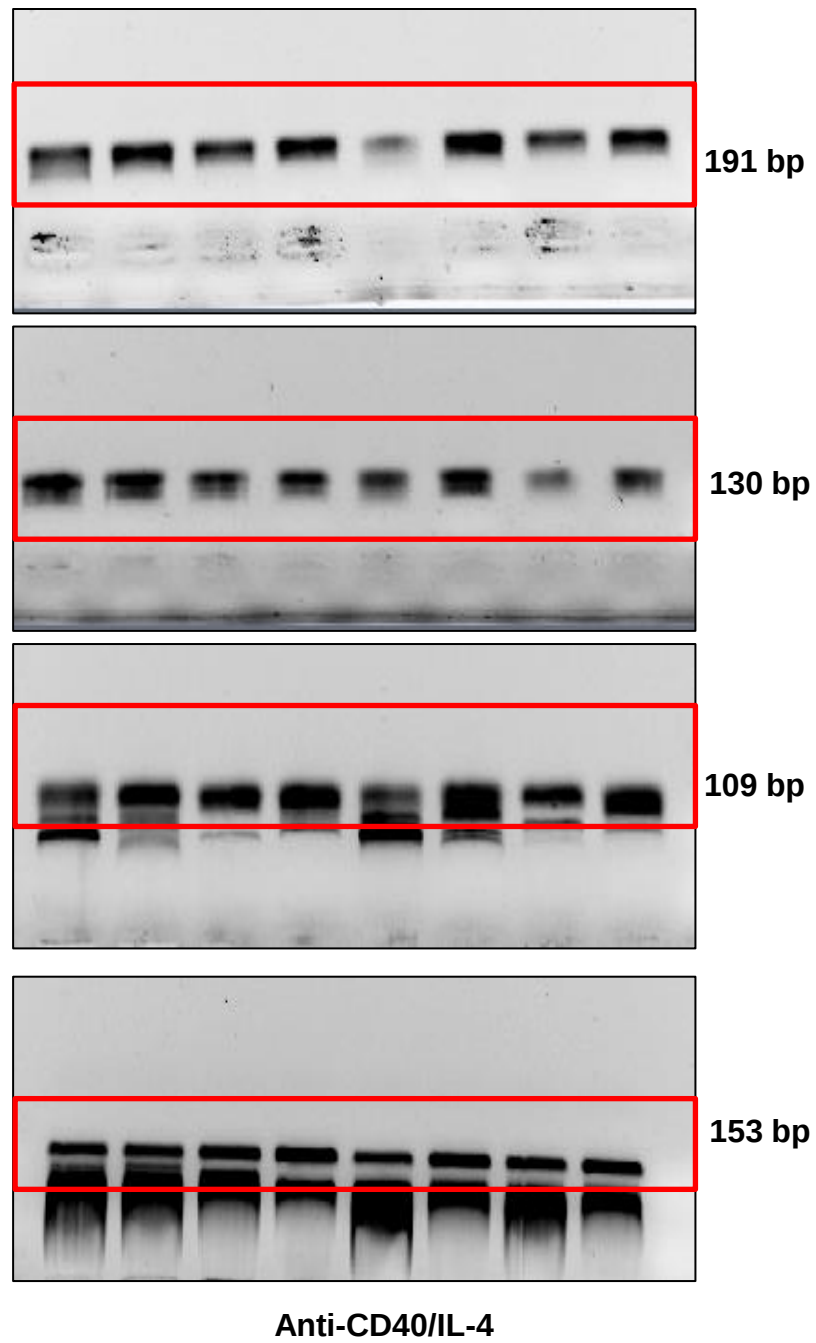
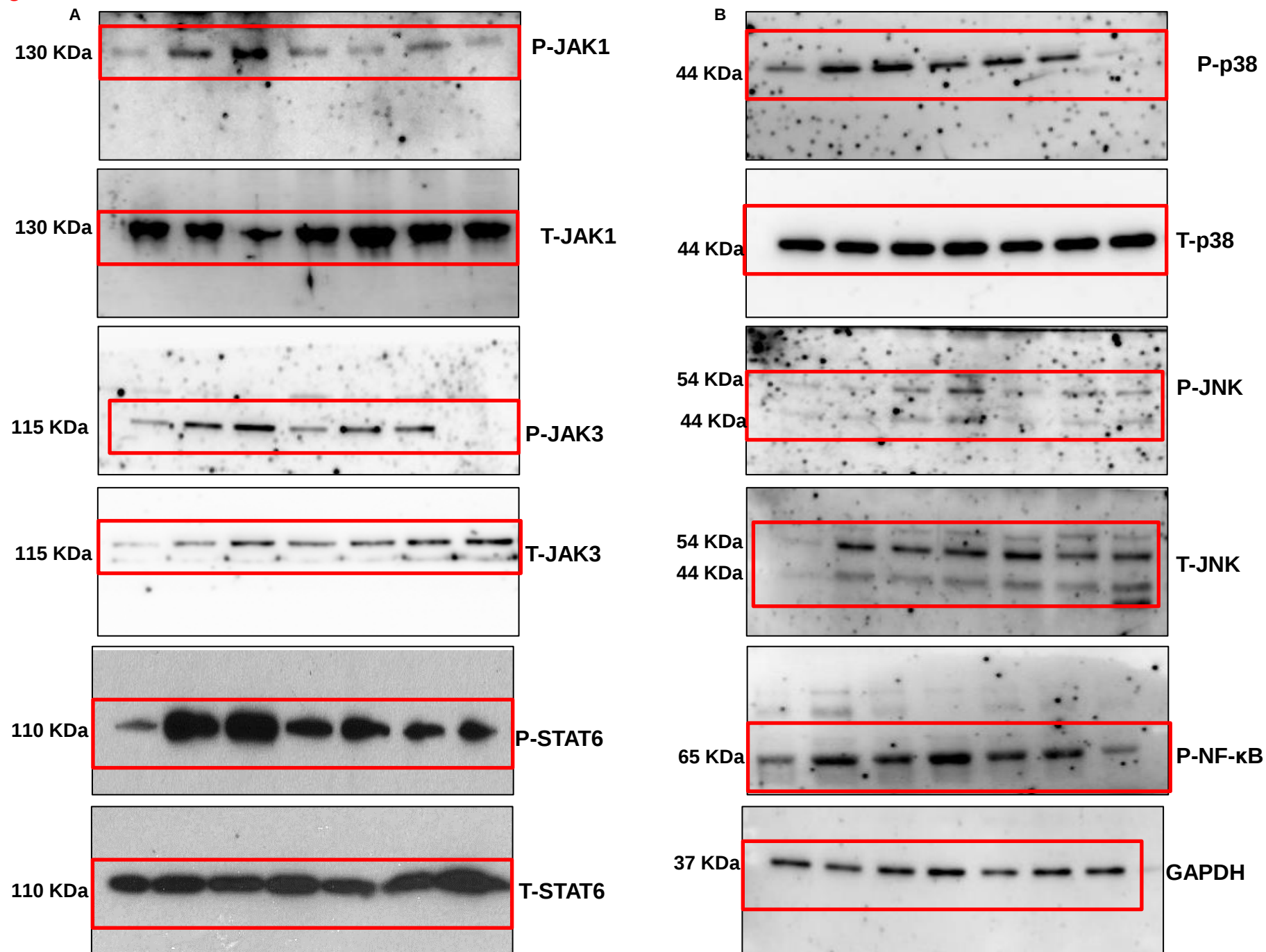
C**D**

Figure S4



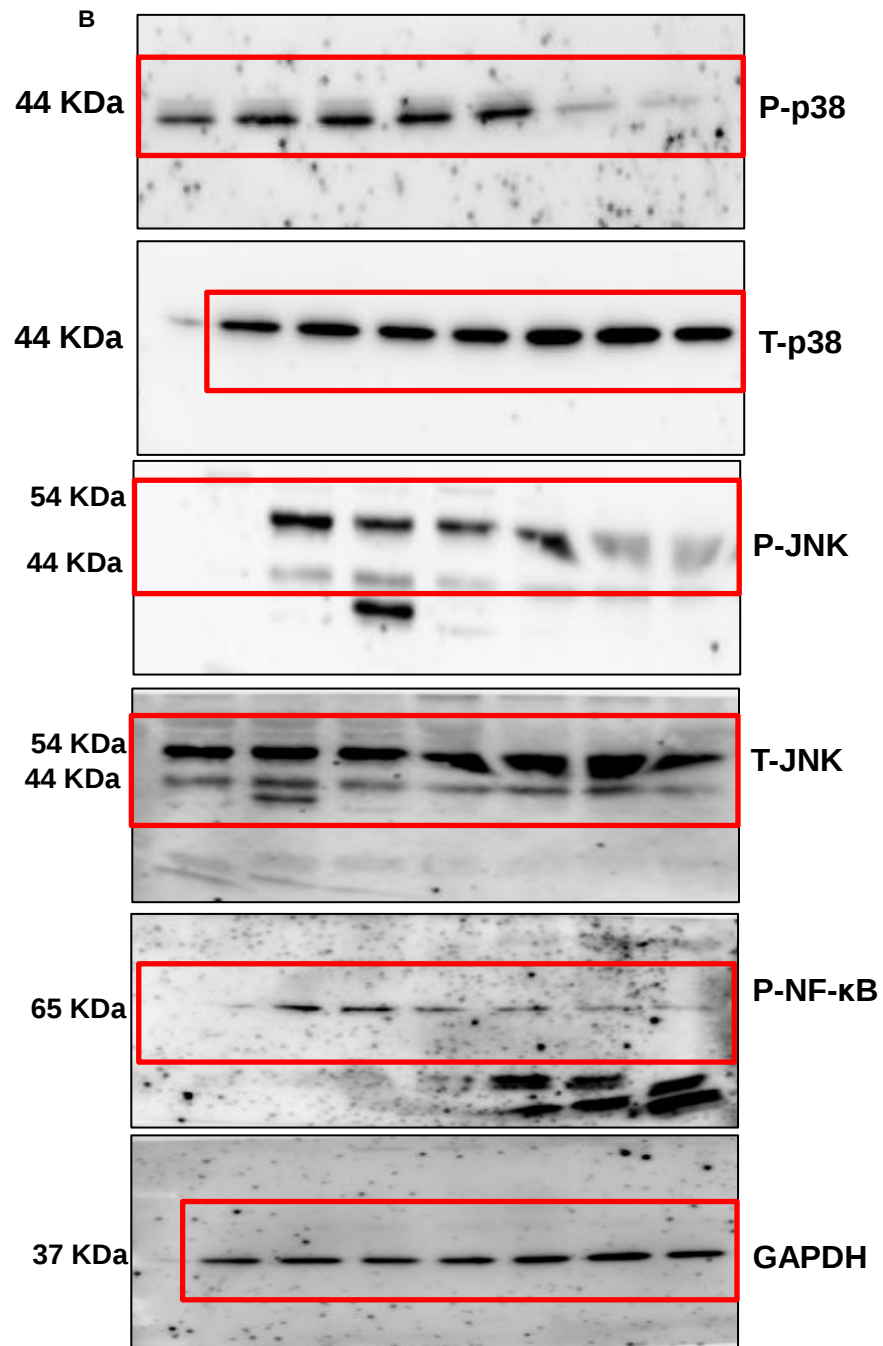
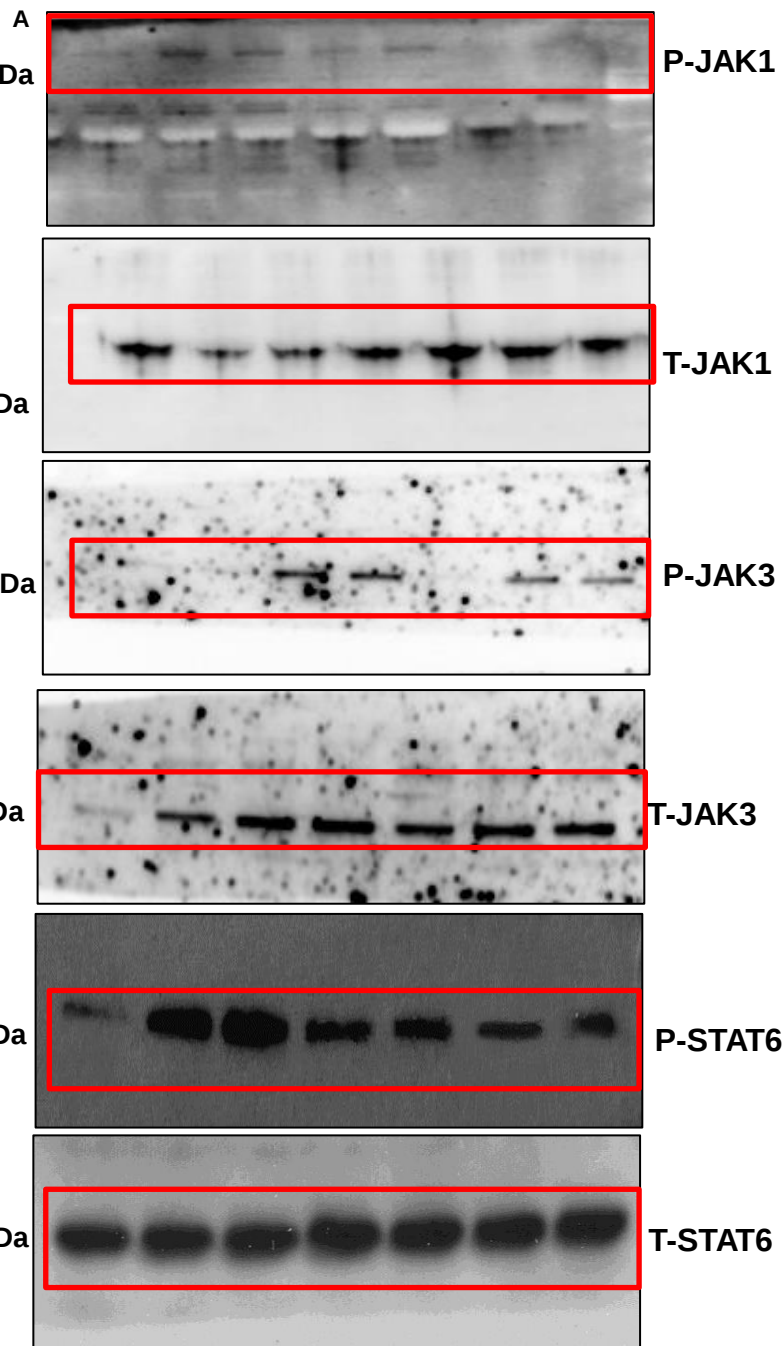


Figure S5

Primer	Forward	Reverse
eGLT	GAGATTCAACGCCTGG	CTTTACAGGGCTTCAAGGG
SCT	CTGGCCAGCCACTCACTTAT	AGGTGAAGGAAATGGTGCTC
AID	AGTCACGCTGGAGACCGATA	GCAGAGGTAGGTCTCATGCC
GAPDH	CATCACTGCCACCCAGAAGACTG	ATGCCAGTGAGCTTCCCGTTCAG

Supplementary figure legends

Figure S1: Band intensities of gel electrophoresis blot. ImageJ (version 1.46r) software was used to determine the band intensities of gel blot data from (A) Figure 3A, (B) Figure 3B, (C) Figure 3C, (D) Figure 3D. All experiments were performed in triplicate. Data are expressed as mean $\pm$ standard deviation. # $p < 0.05$, ## $p < 0.01$, ### $p < 0.001$ (Control group vs. LPS/IL-4 or anti-CD40/IL-4-treated group); * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ (LPS/IL-4 or anti-CD40/IL-4-treated group vs. SOD3-treated group); @ $p < 0.05$, @@ $p < 0.01$, @@@ $p < 0.001$ (*SOD3*^{+/+} vs *SOD3*^{-/-}).

Figure S2: protein band intensities of western blot. ImageJ (version 1.46r) software was used to determine the band intensities of western blot data from (A) Figure 6A, (B) Figure 6B. All experiments were performed in triplicate. Data are expressed as mean $\pm$ standard deviation. .# $p < 0.05$, ## $p < 0.01$, ### $p < 0.001$ (Control group vs. LPS/IL-4 or anti-CD40/IL-4-treated group); * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ (LPS/IL-4 or anti-CD40/IL-4-treated group vs. SOD3-treated group).

Figure S3: Full length blots of gel electrophoresis data of (A) Figure 3A, (B) Figure 3B, (C) Figure 3C, (D) Figure 3D.

Figure S4: Full length blots of western blot data of (A) Figure 6A, (B) Figure 6B.

Figure S5: Primer sequences for RT-PCR of mRNA.