



Supplementary Figure 2. Tight junction integrity of mucosal barrier is rescued due to HnAb treatment in TLR4^{-/-} mouse model of colitis. The protein expression levels of ZO-1 ($P<0.001$) and occludin ($P<0.001$), but not claudin-5 ($P=0.241$), were significantly higher in colonic tissues of HnAb-treated DSS-induced TLR4^{-/-} mice than IgY-treated DSS-induced TLR4^{-/-} mice. A significant difference of protein expression was found in terms of claudin-5, but not ZO-1 and occluding, between DSS-treated TLR4^{-/-} mice by HnAb application and normal control WT mice. Data were presented as mean \pm SEM of 5 independent experiments. ** $P<0.01$, *** $P<0.001$, ns, not significant, by one-way ANOVA with Tukey's post-test.