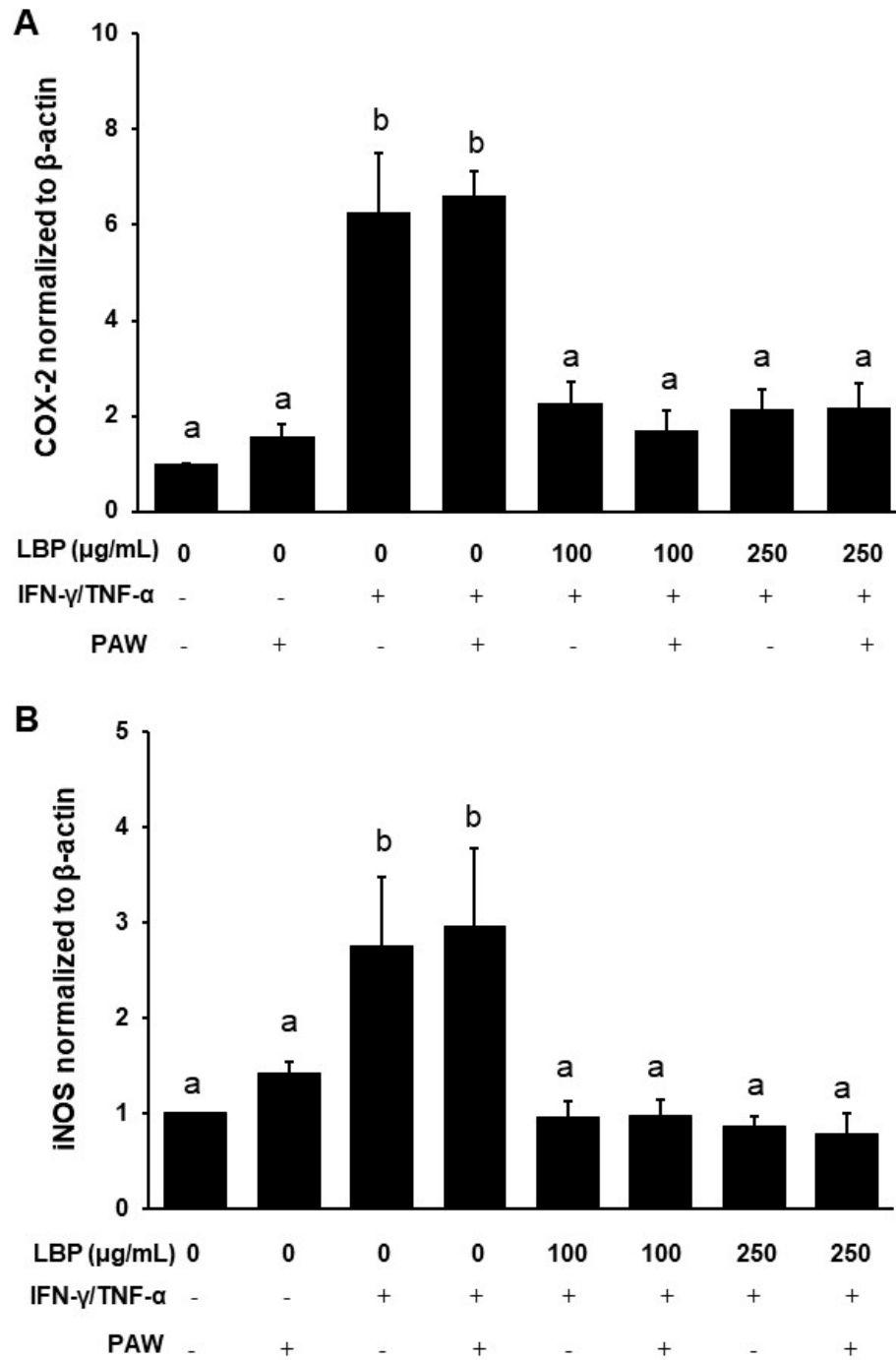**Figure S1.** The levels of pro-inflammatory cytokines (**A**) IL-6 and (**B**) IL-8 in the medium of Caco-2 cells treated with *Lycium barbarum* polysaccharides (LBP, 100-250 µg/mL) with or without plasmon-activated water (PAW). Values are expressed as mean ± SEM (n = 6 per group). The data not sharing the same letter represent significant differences between the groups at $p < 0.05$.

Figure S2. Effects of *Lycium barbarum* polysaccharides (LBP, 100-250 µg/mL) with or without plasmon-activated water (PAW) on protein expression of inflammatory markers (**A**) COX-2 and (**B**) iNOS in Caco-2 cells. Values are expressed as mean ± SEM (n = 5 per group). The data not sharing the same letter represent significant differences between the groups at $p < 0.05$.
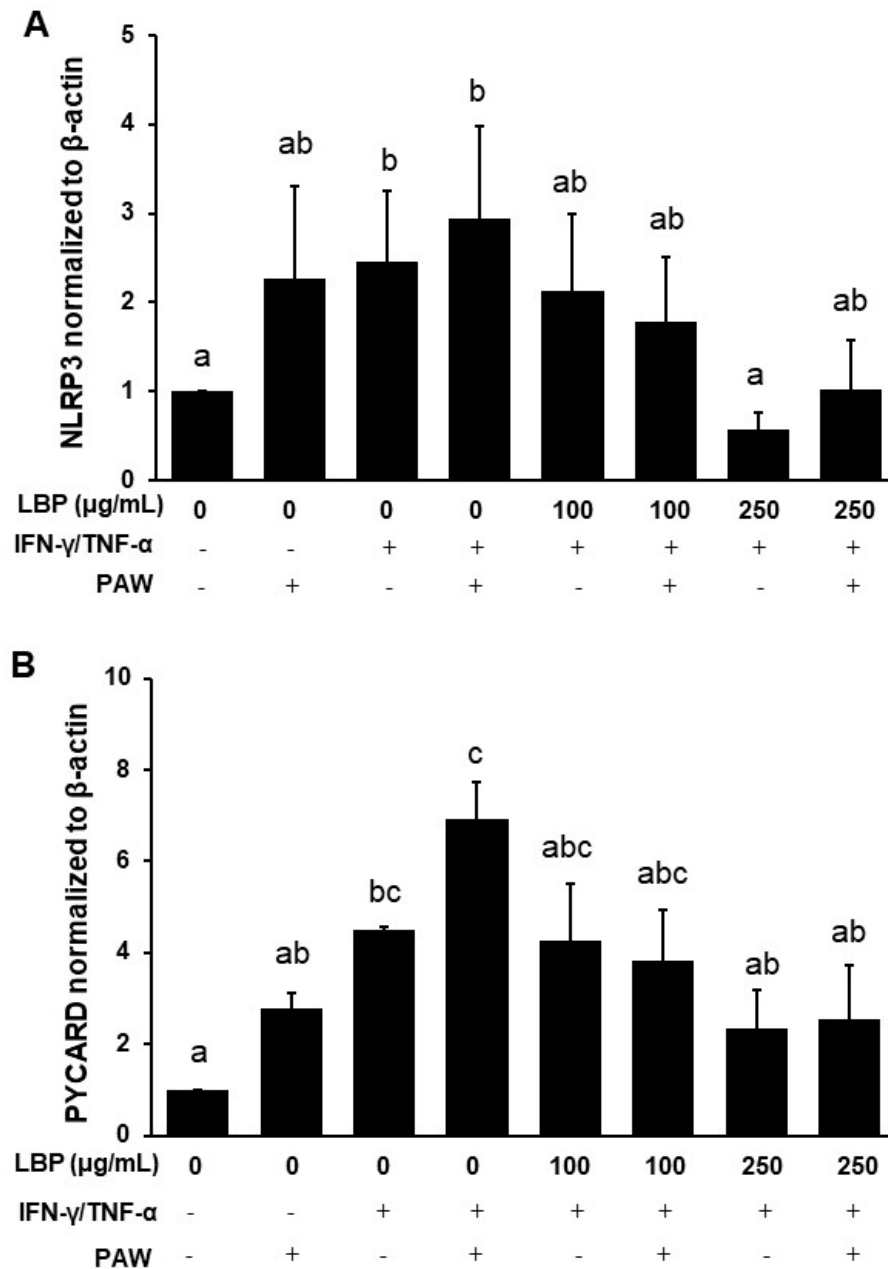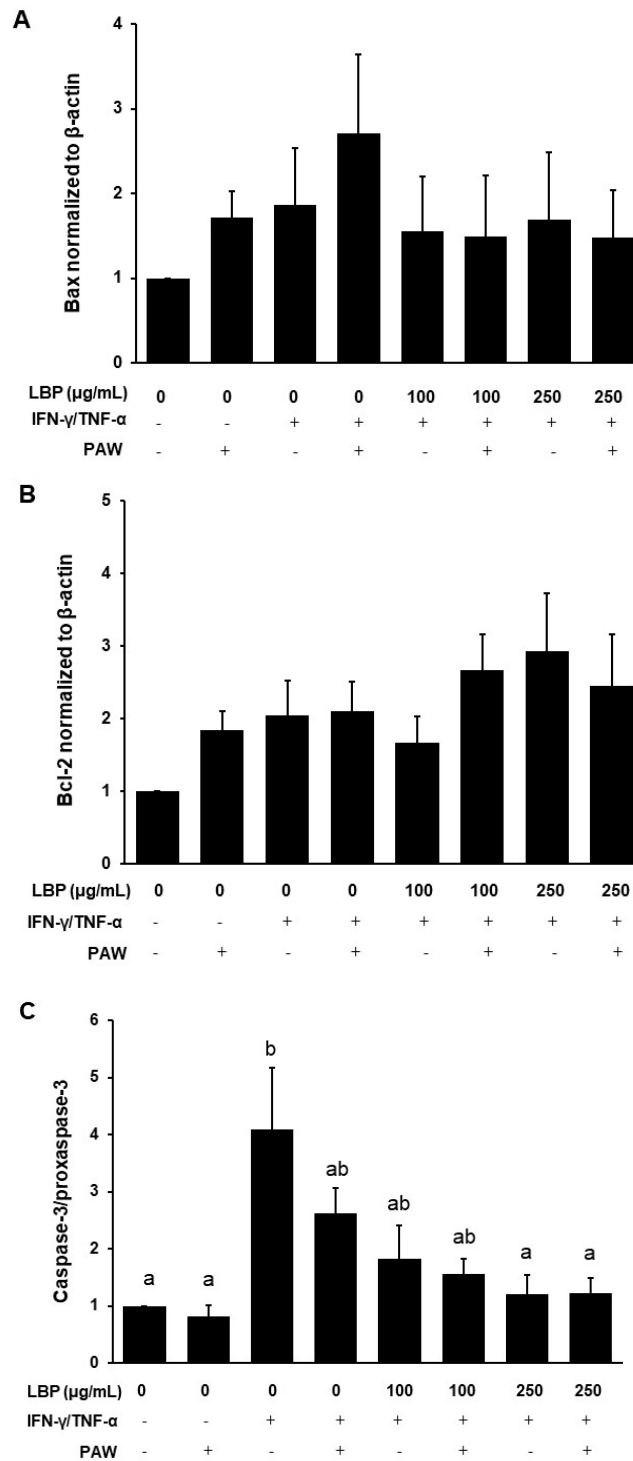
Figure S3. Effects of *Lycium barbarum* polysaccharides (LBP, 100-250 µg/mL) with or without plasmon-activated water (PAW) on protein expression of (**A**) NLRP3 inflammasomes and (**B**) PYCARD in Caco-2 cells. Values are expressed as mean ± SEM (n = 5 per group). The data not sharing the same letter represent significant differences between the groups at $p < 0.05$.
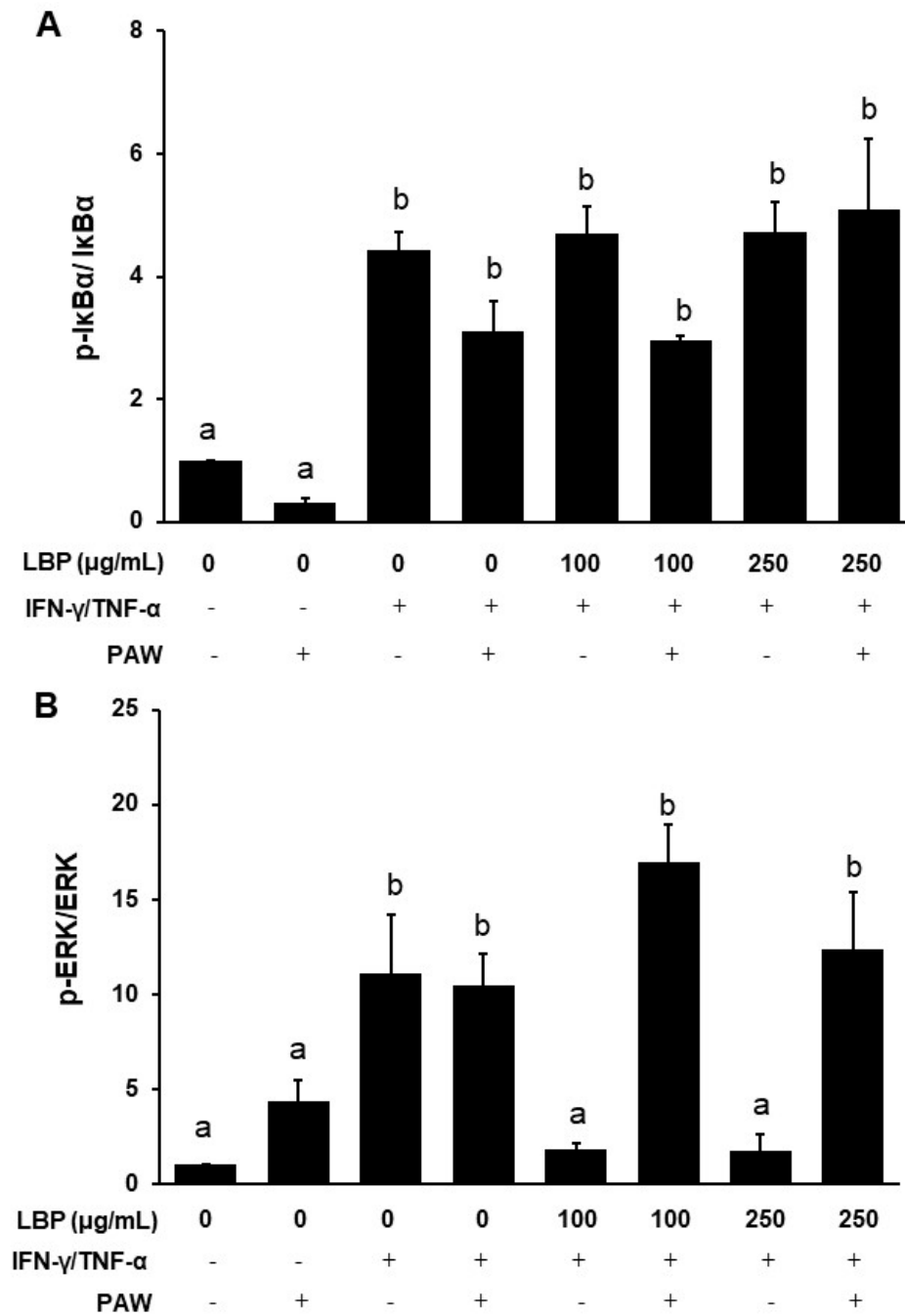
Figure S4. Effects of *Lycium barbarum* polysaccharides (LBP, 100-250 µg/mL) with or without plasmon-activated water (PAW) on (**A**) the ratio of phosphorylated IκBα to total IκBα (p-IκBα/IκBα) and (**B**) the ratio of phosphorylated ERK to total ERK (p-ERK/ERK) protein expression in Caco-2 cells. Values are expressed as mean ± SEM (n = 5 per group). The data not sharing the same letter represent significant differences between the groups at $p < 0.05$.

Figure S5. Effects of *Lycium barbarum* polysaccharides (LBP, 100-250 µg/mL) with or without plasmon-activated water (PAW) on protein expression of apoptotic markers (**A**) Bax, (**B**) Bcl-2, and (**C**) caspase-3/procaspase-3 in Caco-2 cells. Values are expressed as mean ± SEM (n = 5 per group). Protein expression of Bax and Bcl-2 was not significantly different among the groups ($p > 0.05$). The data not sharing the same letter represent significant differences between the groups at $p < 0.05$.