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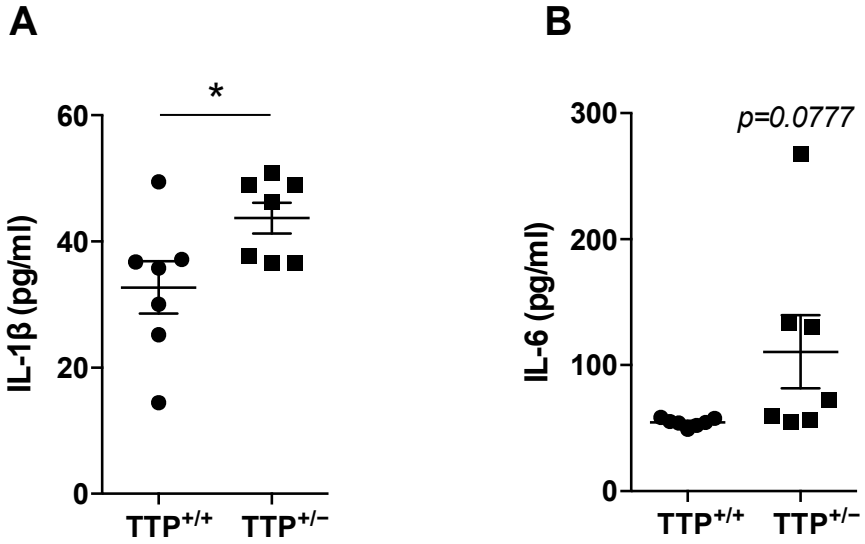
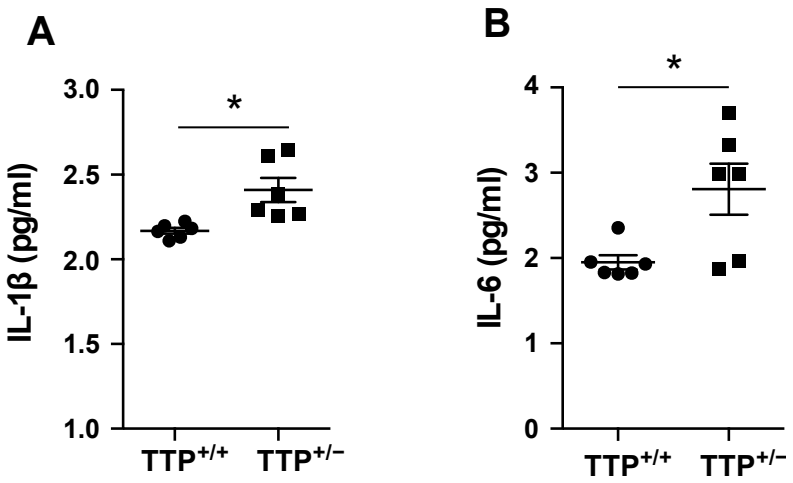
Supplementary Figure 1



Supplementary Figure1. Elevated circulating levels of pro-inflammatory cytokines were observed in sera of TTP-deficient mice. Circulating levels of IL-1β and IL-6 were measured with sera obtained from both TTP-deficient and wild-type mice by using IL-1β and IL-6 ELISA kits. TTP-deficient mice displayed elevated serum levels of (A) IL-1β and (B) IL-6 compared with wild-type mice. Data are presented as mean ± SEM. *n*= 7 per group. *p<0.05.

Supplementary Figure 2



Supplementary Figure 2. Deficiency of TTP leads to increased release of pro-inflammatory cytokines in cultured primary microglial cells.

Primary microglial cells were extracted from hypothalamus of both TTP-deficient and wild-type mice, and seeded at 5×10^5 cells/well to measure medium contents of pro-inflammatory cytokines by using IL-1β and IL-6 ELISA kits. Increased medium levels of (A) IL-1β and (B) IL-6 were observed in cultured primary microglial cells extracted from hypothalamus of TTP-deficient mice compared with that in cultured primary microglial cells extracted from hypothalamus of wild-type mice. Data are presented as mean ± SEM. *n*=6 per group. *$p<0.05$.