**Method:**

**ELISA assay:** For measuring endocan levels in mouse serum, blood samples were centrifuged at 3000rpm, 10 minutes at room temperature and supernatant was collected. ELISA assay was performed according to the manufacture’s guidance by using an ELISA kit for mouse endocan (Cusabio, Wuhan, China; Catalog#CSB-EL007835MO). Data were analyzed from 5 independent mice and represented as mean±SEM in Figure 1 below. The statistical analysis was performed using an unpaired t test.

**Result:** ELISA assay to examine endocan protein level of peripheral serum in the OIR mice at postnatal day 15. However, there was no significant difference of endocan level in serum between OIR model and control group.

Figure 1. Endocan level of mouse serum in the OIR mice