**Supplementary Figures**

**Figure S1.** SDS-PAGE analysis of purified rCsCD209 and Western blot analysis of anti-rCsCD209 antibodies. rCsCD209 was expressed and purified by Ni-NTA chromatography, and further separated by SDS-PAGE. Western blot was performed to detect the CsCD209 in head kindney leukocytes by polyclonal antibodies against rCsCD209.
**Figure S2.** The soluble CsCD209 examined by Western blot. Serum protein was separated by SDS-PAGE, transferred to Polyvinylidene fluoride (PVDF) membrane and immunoblotted by anti-rCsCD209 antibody. Head kidney leukocyte proteins were used as a positive control.
Figure S3. Effects of mannose and mannan on rCsCD209 binding to bacteria. (A) rCsCD209 was preincubated with or without mannose or mannan before incubating with *Edwardsiella tarda*. The cells were treated with FITC-labeled anti-His antibody, and rCsCD209-bacteria binding was determined by flow cytometry. Red histogram: control; blue histogram: rCsCD209; yellow histogram: rCsCD209+ mannose; green histogram: rCsCD209+ mannan. (B) The mean fluorescence intensity in (A) was statistically calculated. Results are means ± SEM (n = 3), *p < 0.05.