



Figure 5. Osteoclast marker, RANKL, shows higher levels in adults in response to same magnitude of orthodontic force. GCF was collected from the distolabial gingival crevice of maxillary canines one day after retraction and mean concentration of RANKL was evaluated by a protein array. Each experiment was repeated 3 times, and the data was expressed as the mean \pm standard deviation concentration in picograms per microliter (pg/ μ L) (#, significantly different from 50cN group within the same age group; +, significantly different from 100cN group within the same age group; *, significantly different between adolescents and adults who received the same force magnitude).