Figure S1. Membrane stabilization assay on T2 cells following treatment with various S4-conjugated MamA2.1-2.7 epitopes. (A-G) Representative flow cytometry results demonstrating mean fluorescence channel shift. The membrane expression of HLA-A2 with S4-conjugated MamA epitopes is shown in unfilled bold black. The isotype control antibody with no binding affinity to HLA-A2 molecules is demonstrated in a filled light grey histogram. The HLA-A2 membrane expression on empty T2 cells untreated with the aforementioned epitopes is demonstrated in unfilled light grey histogram and with unconjugated MamA epitopes is demonstrated in unfilled grey histograms. S4, shaker-potassium channel protein; MamA2.1, mammaglobin-A; HLA, human leukocyte antigen.

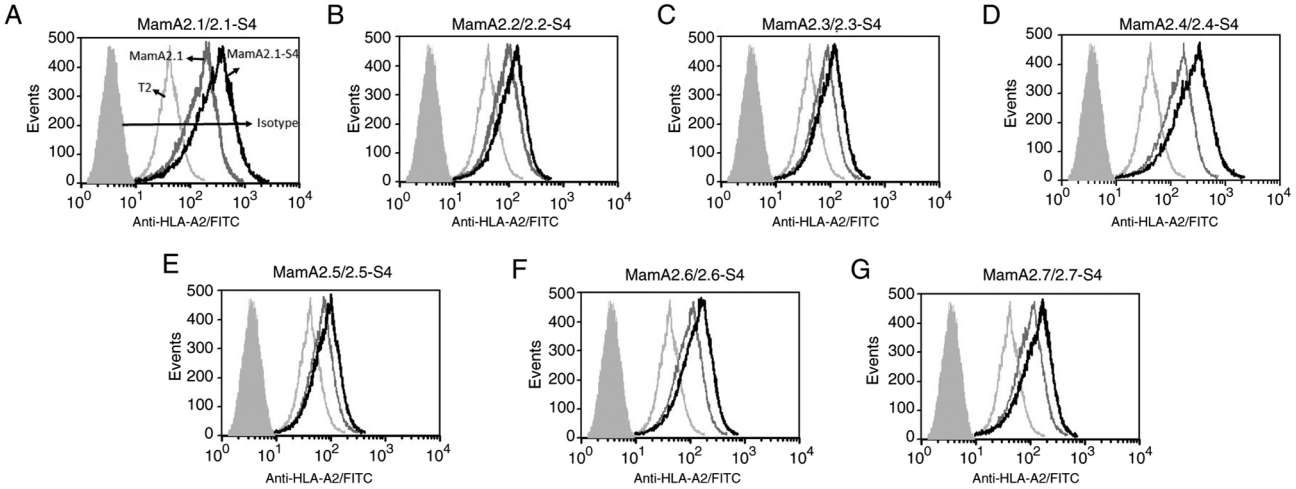

Figure S2. Comparison of the membrane stabilization efficiency between N-terminus versus C-terminus conjugation of MamA epitope with S4-CPP domain. Representative flow cytometry results demonstrating the mean fluorescence channel shift. The membrane expression of HLA-A2 with S4-MamA2.1 epitope is shown in unfilled bold black. The isotype control antibody with no binding affinity to HLA-A2 molecules is shown in a filled light grey histogram. The HLA-A2 membrane expression on empty T2 cells untreated with aforementioned epitopes was shown in unfilled light grey histogram and with MamA2.1-S4 epitope is shown in unfilled grey histograms. S4, shaker-potassium channel protein; MamA2.1, mammaglobin-A; HLA, human leukocyte antigen.