



**Figure S1.** Iterative isolation of B7-expressing virus by panning of infected cells and flow cytometry. Plaques of potential recombinant virus were isolated from cells that adhered to a plate coated with anti-B7-2. A portion of infected cells from 5 plaque picks was pooled, stained with fluorescent antibody to B7-2 and analyzed by flow cytometry. Round 1 shows the results of three such pools. Plaques from the pool containing B7-expressing cells were grown and analyzed individually. Round 2 shows the results of three independent plaques that made up the Round 1 positive pool. The B7-expressing isolate identified in Round 2 underwent another round of plaque purification and was reanalyzed. The results are shown in Round 3, along with two other negative plaque isolates for comparison.