

1 SUPPLEMENTARY MATERIAL CAPTIONS

2 **Supplementary Figure 1: Recombinant ECD concentrations in culture supernatants are higher in CHO**

3 **vs. HEK293 cells, but intracellular protein levels are similar.** CHO<sup>BRI/55E1</sup> and HEK293-6E cells were

4 transfected with the ECDm expression plasmid following standard protocols. Samples were taken at 2, 5

5 or 7 days post-transfection for preparation of cleared culture supernatants and cell pellets (for lysis and

6 total protein extraction). (A) Cleared supernatants (10 ul) were analyzed by western blotting along with

7 known amounts of IMAC/FLAG-purified ECDm protein. Densitometry analysis of the purified protein

8 bands was used to prepare a standard curve and estimate ECD protein concentrations in the

9 supernatants (B). (C) Western blot of cell lysates for detection of intracellular ECD protein. Protein

10 lysates were prepared from cell pellets and protein concentrations were measured; equal amounts of

11 total protein were analyzed by western blotting.

12 **Supplementary Table 1: Amino acid sequences of SARS-CoV-2 constructs expressed in the current**

13 **study.** Sequences containing proprietary T3 trimerization domain are not included.

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