

**Supplementary information**

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**Altered TMPRSS2 usage by SARS-CoV-2  
Omicron impacts infectivity and  
fusogenicity**

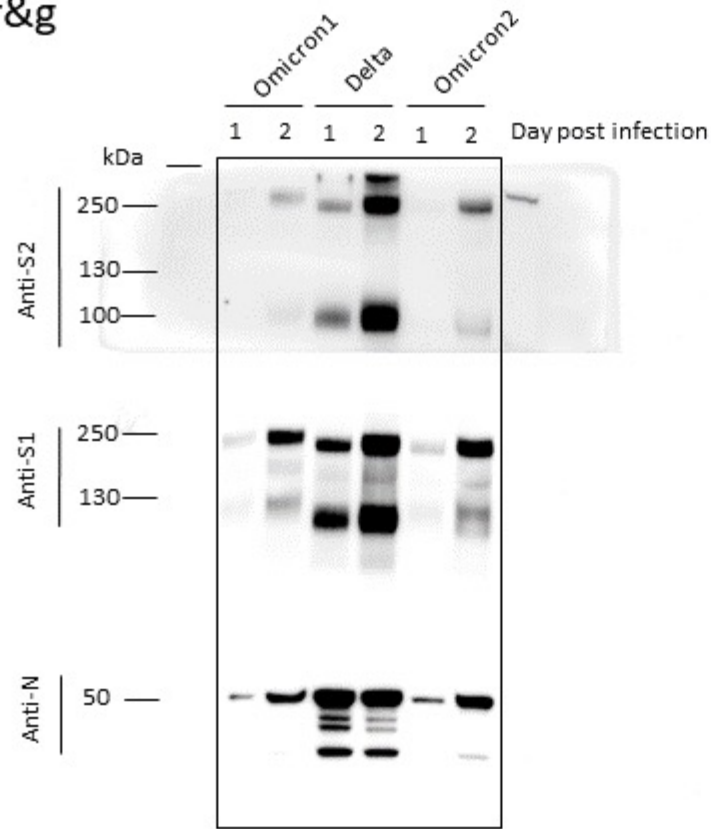
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In the format provided by the  
authors and unedited

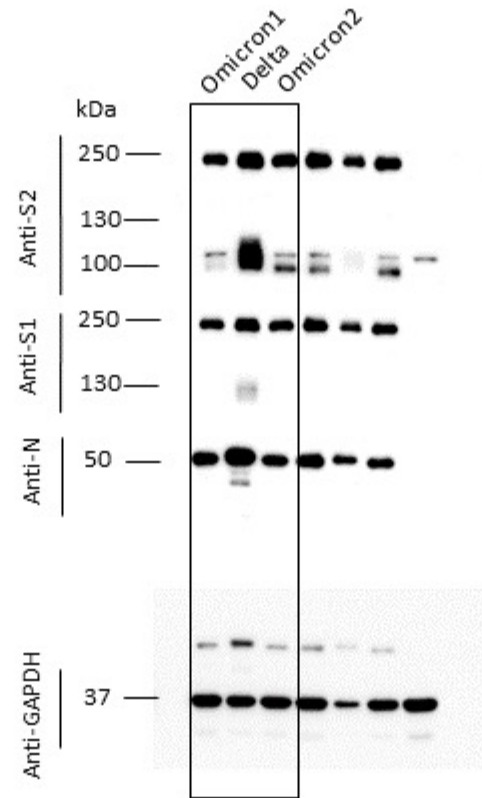
# Supplementary information: Meng et al, Nature 2022

- Page 1: uncropped western blots figure 2
- Page 2: FACS gating strategy Extended Data Figure 2
- Page 3: uncropped western blots Extended Data Figure 6

# SI for Figure 2f&g



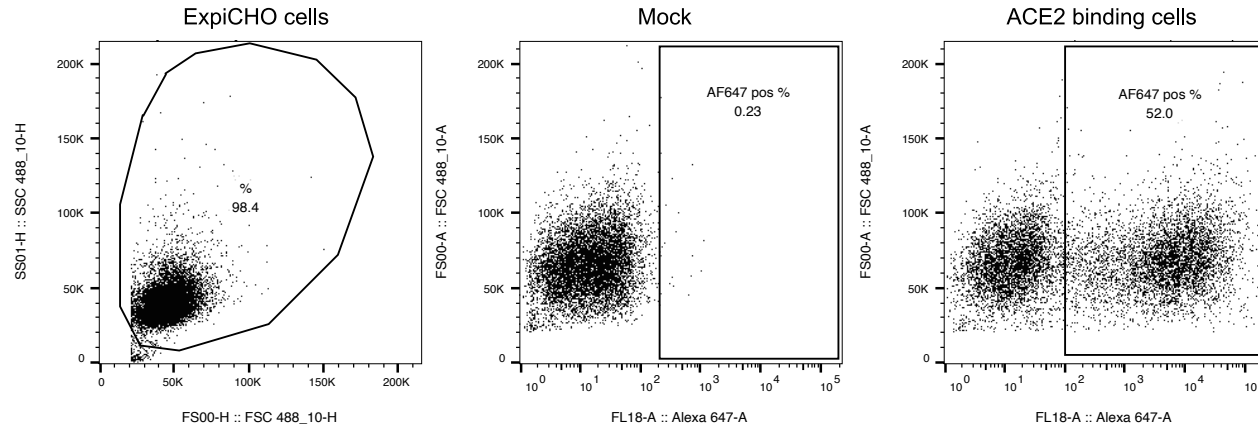
Cut the blot into two halves around 75 KDa  
Probed S2 first then stripped for S1  
Probed N



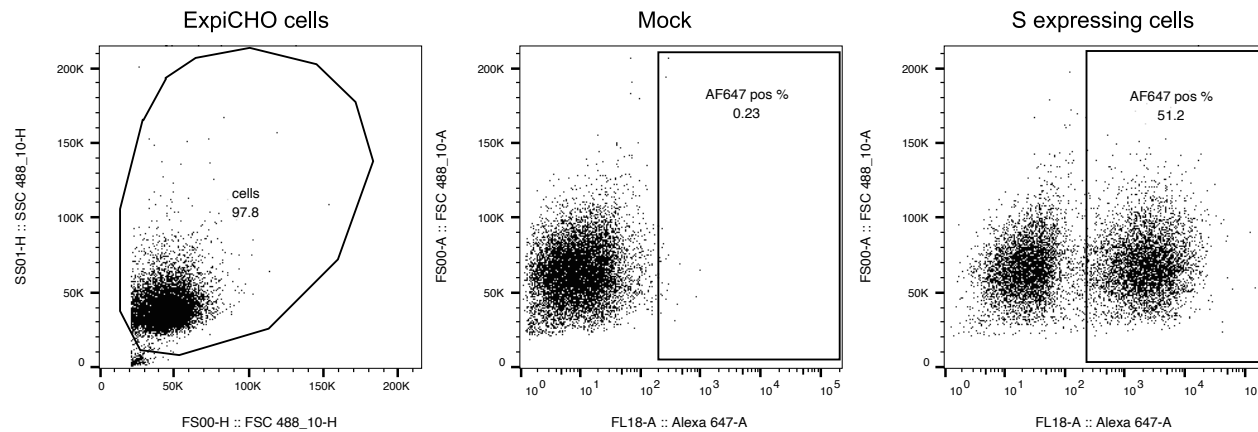
Cut the blot into two halves around 75 KDa  
Probed S2 first then stripped for S1  
Probed N first then GAPDH

# SI for ED Fig 2: gating strategy for ACE2 binding and Spike expression analyses

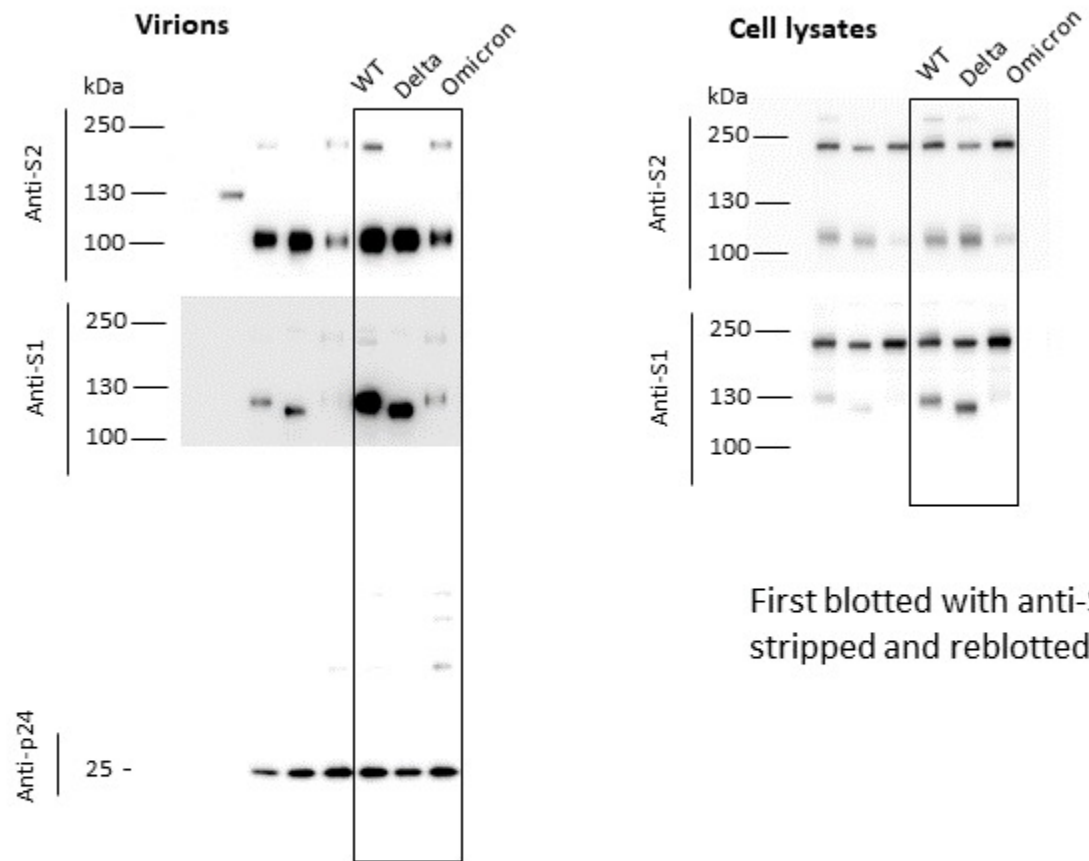
## ACE2 binding



## Spike expression



# SI for ED Fig 6



First blotted with anti-S2 antibody and then stripped and reblotted with anti-S1 antibody.

Cut blot into two halves around 75 kDa;  
First blotted with anti-S2 antibody and then stripped and reblotted with anti-S1 antibody;  
The other half blotted with anti-p24 antibody