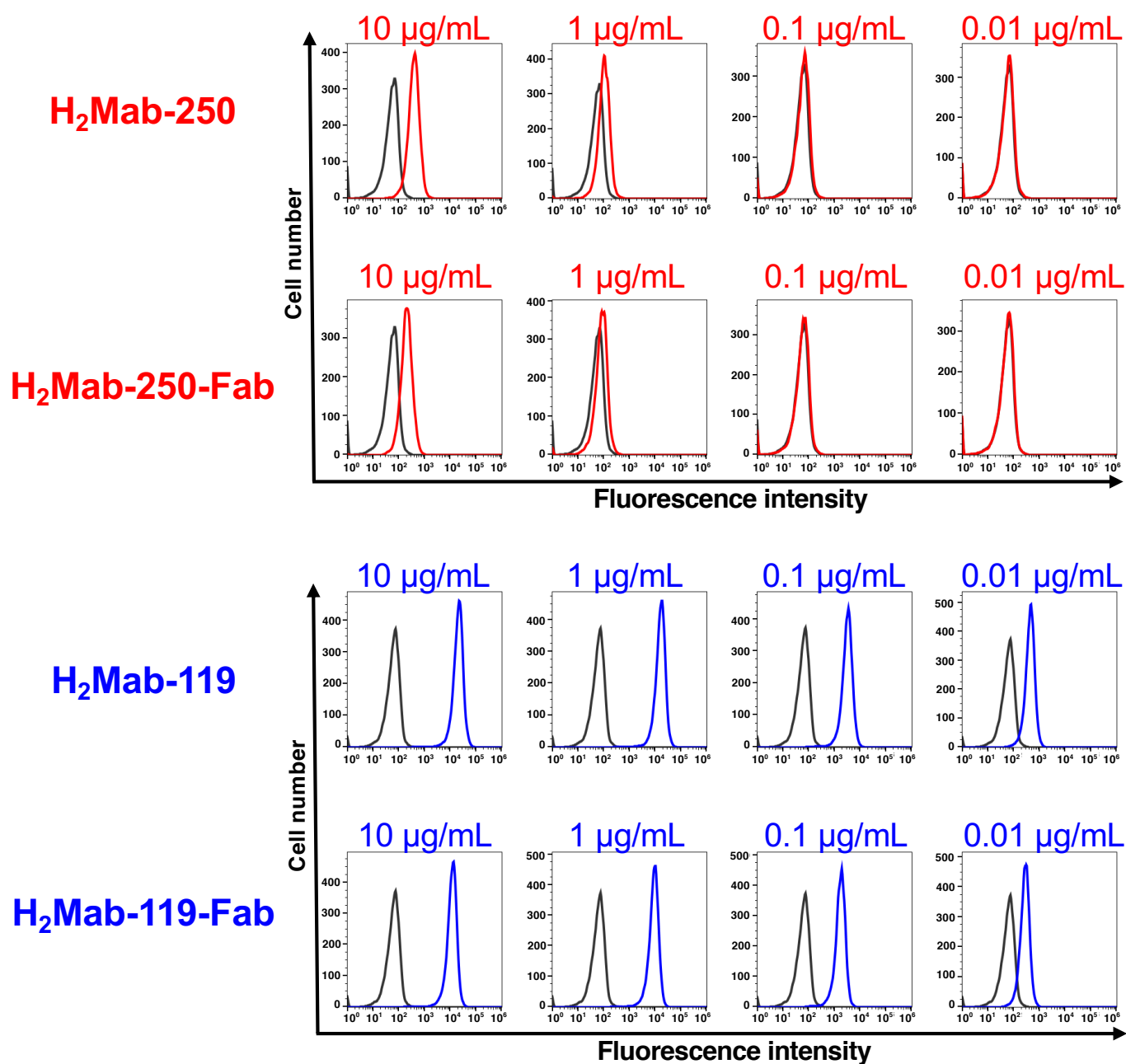
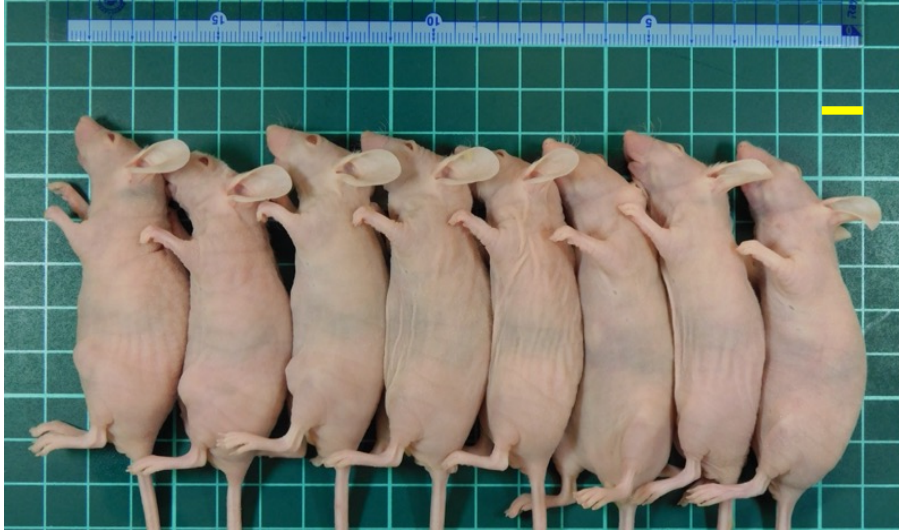




Supplementary Figure S1 Recognition of CHO/HER2 by H₂Mab-250, H₂Mab-250-Fab, H₂Mab-119, and H₂Mab-119-Fab using flow cytometry. CHO/HER2 cells were treated with 0.01-10 µg/mL of H₂Mab-250, H₂Mab-250-Fab, H₂Mab-119, and H₂Mab-119-Fab, followed by treatment with Alexa Fluor 488-conjugated anti-mouse IgG (Red line). The black line represents the negative control (blocking buffer).

PMab-231-mG_{2a}-f

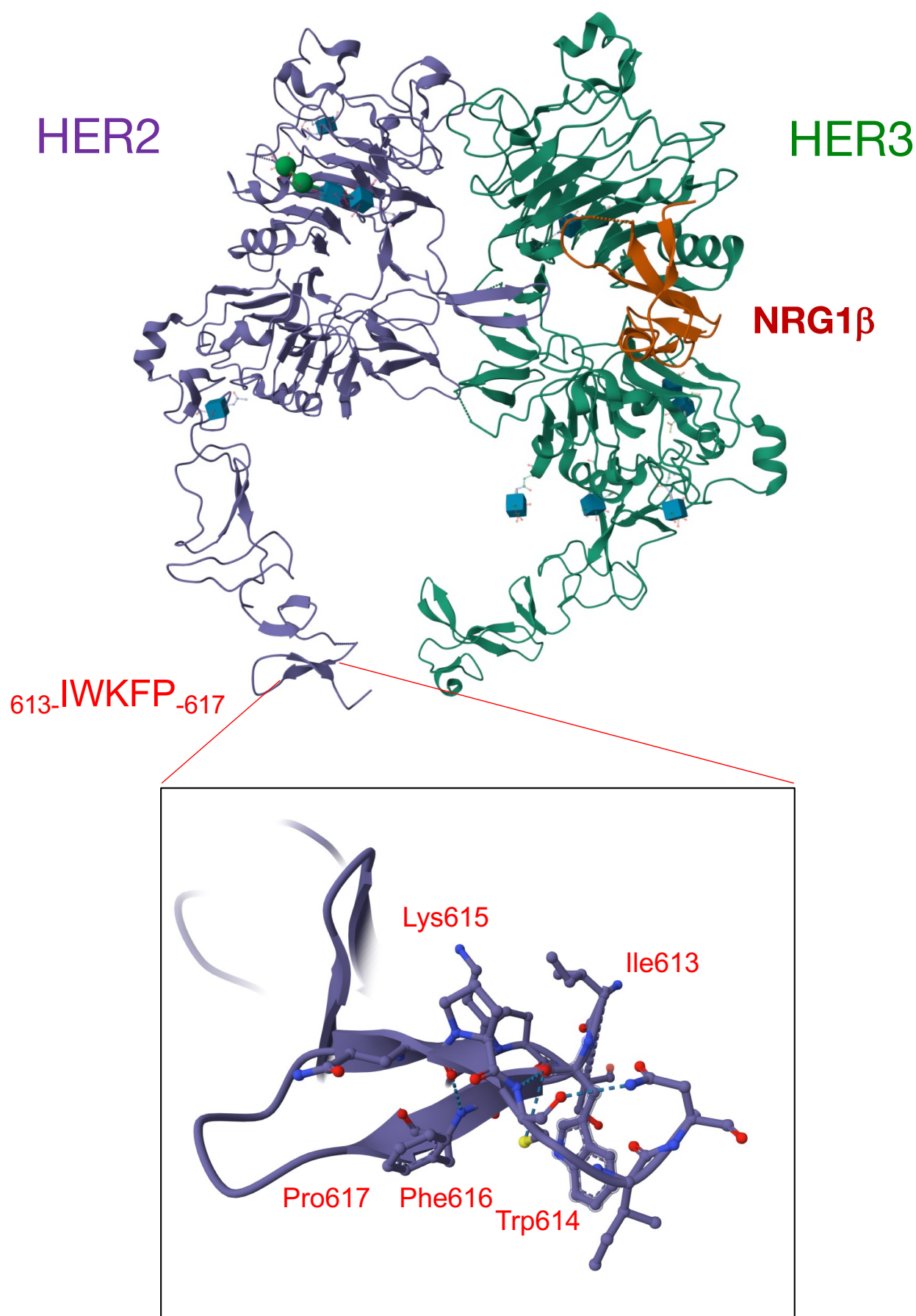


H₂Mab-250-mG_{2a}-f



Supplementary Figure S2. Body appearance in BT-474 xenografts-implanted mice treated with control mAb (PMab-231-f) and H₂Mab-250-mG_{2a}-f on day 27. Scale bar, 1 cm.

**Structure of the HER2/HER3/NRG1 β Heterodimer Extracellular Domain
(PDB ID: 7MN5)**



Supplementary Figure S3. The epitope ($_{613}$ -IWKFP- $_{617}$) of H₂Mab-250 on HER2 ectodomain structure (PDB ID: 7MN5).