

Supplementary Information

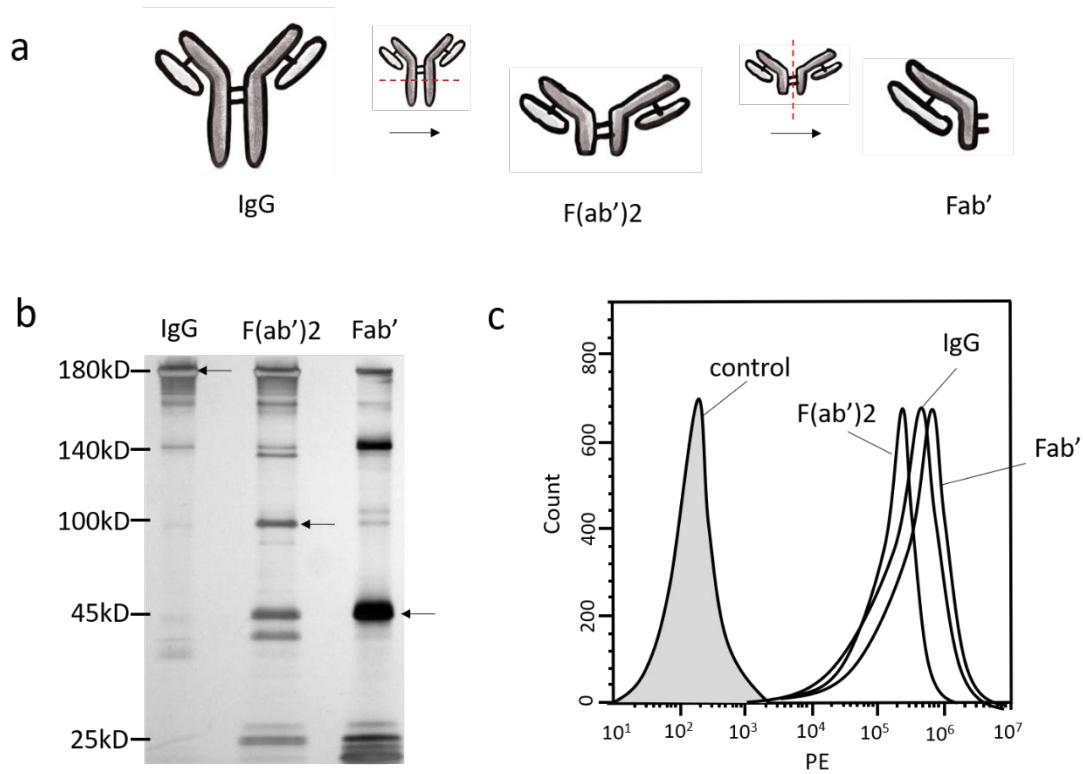
Preparation of siRNA–PLGA/Fab'–PLGA mixed micellar system with target cell-specific recognition

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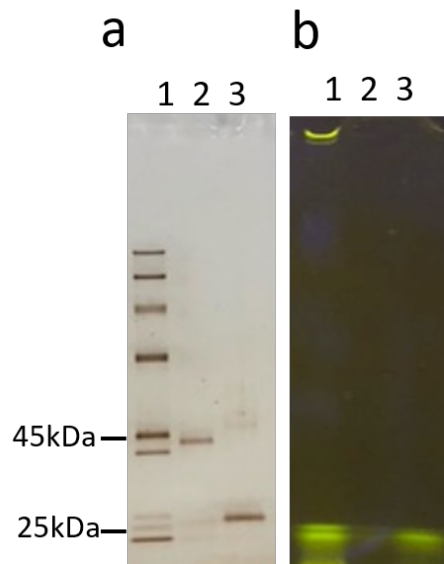
Supplementary Figure S1



F(ab')₂ and Fab' structure obtained by fragmentation of IgG and existence confirmation and their activity evaluation for the antigen

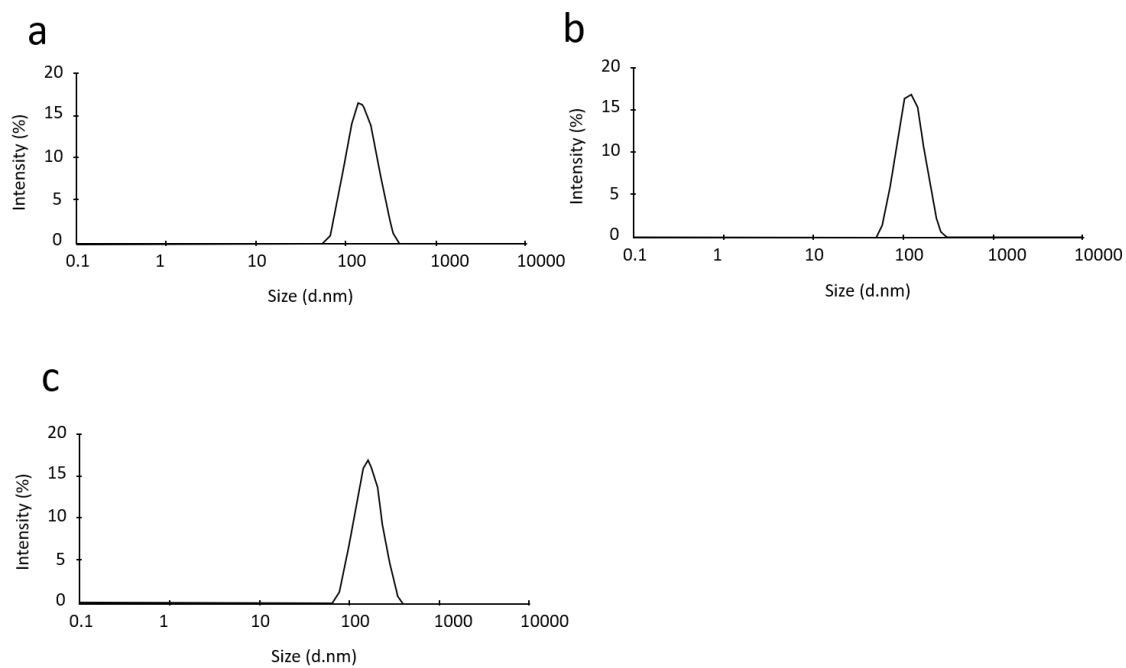
(a) Shape of the fragmentation of IgG; (b) Detection of IgG fragmentation using SDS-PAGE; (c) Evaluation of the binding activity of antibody fragments used in this study using a flow cytometer.

Supplementary Figure S2



Characterization of siRNA-PLGA and Fab'-PLGA conjugate via covalent bond (a) Fab' visualized by Ag staining in the gel after SDS-PAGE. Lane1: F(ab')₂ and PLGA(FITC) mixture, Lane2: Fab'-PLGA(FITC), Lane3: Fab'-PLGA(FITC) treated with DTT (b) FITC visualized by transilluminator in the gel after SDS-PAGE. Lane1: F(ab')₂ and PLGA(FITC) mixture, Lane2: Fab'-PLGA(FITC), Lane3: Fab'-PLGA(FITC) treated with DTT.

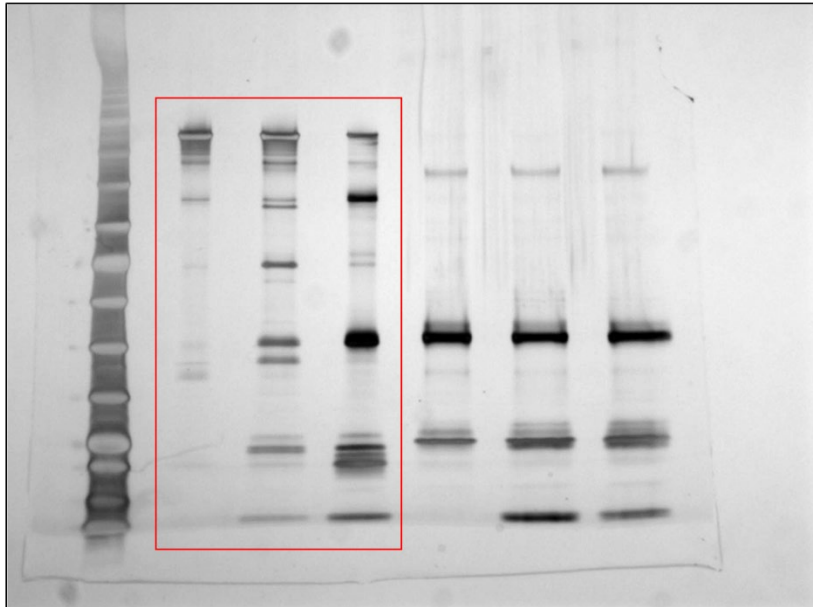
Supplementary Figure S3



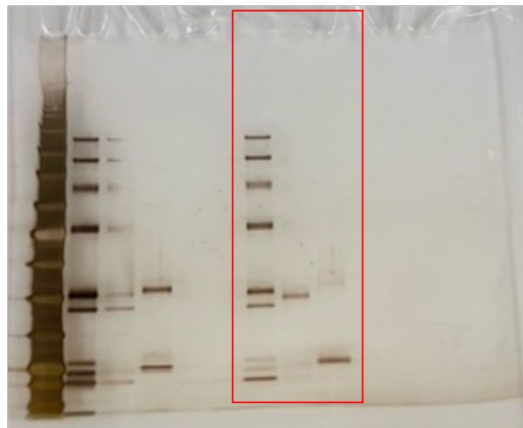
The size distribution of each conjugate micelles. (a) siRNA-PLGA conjugate micelles (b) siRNA-PLGA/ Fab'-PLGA mixed micelles (c) Fab'-PLGA conjugate micelles.

Supplementary Figure S4

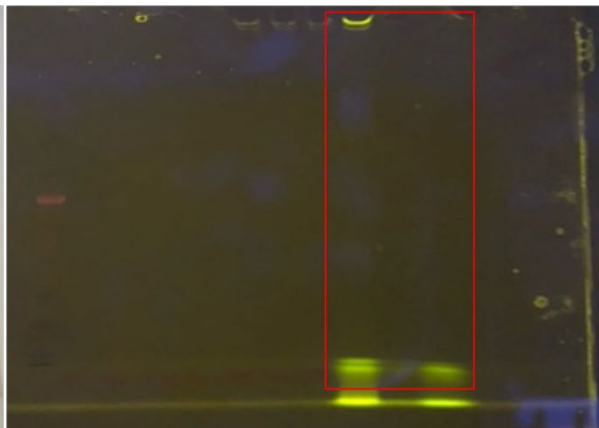
S1b



S2a, Ag stain of SDS-PAGE



S2b, Fluorescence visualized by transilluminator of SDS-PAGE



Original uncropped images of immunoblotting of main figures.

Supplementary Figure S4 (continued)

Fig. 2a



Fig. 2b

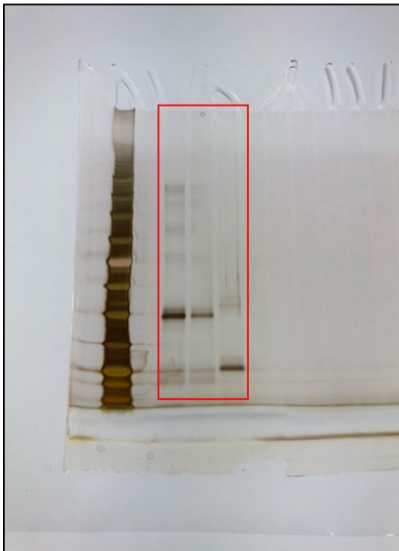
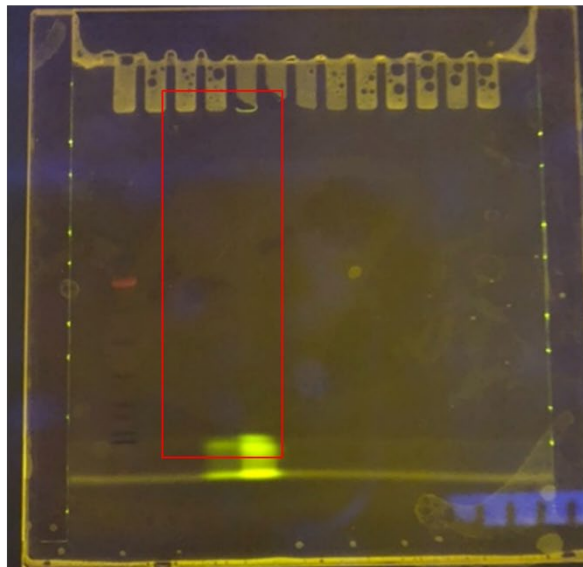


Fig. 2c



Original uncropped images of immunoblotting of main figures.

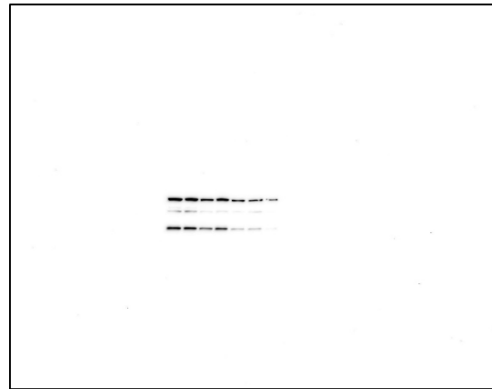
Supplementary Figure S4 (continued)

Fig. 4a, CyclinB1

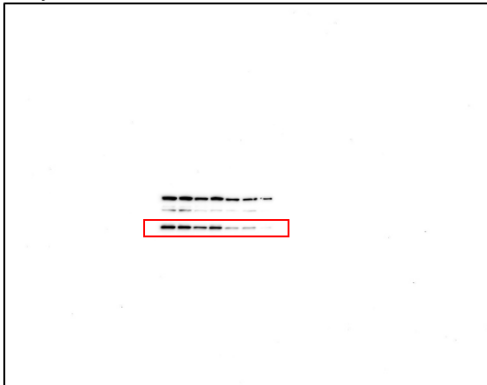
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Exposure time 120 sec



Exposure time 180 sec

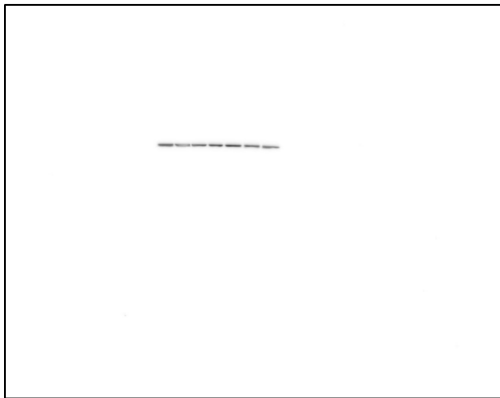


Original uncropped images of immunoblotting of main figures.

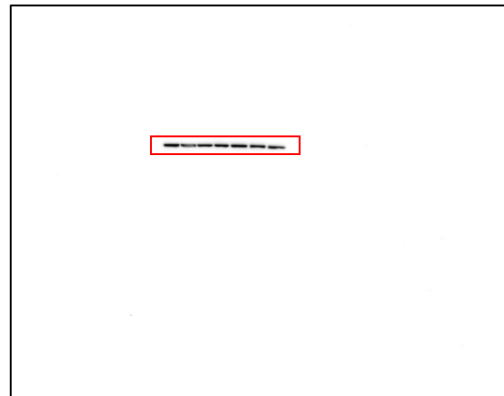
Supplementary Figure S4 (continued)

Fig. 4b, GAPDH

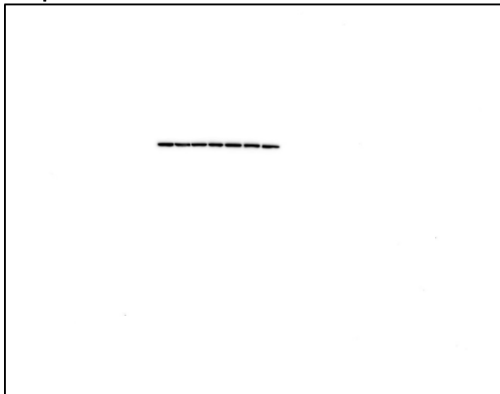
Exposure time 10 sec



Exposure time 20 sec



Exposure time 30 sec



Original uncropped images of immunoblotting of main figures.