

Figures

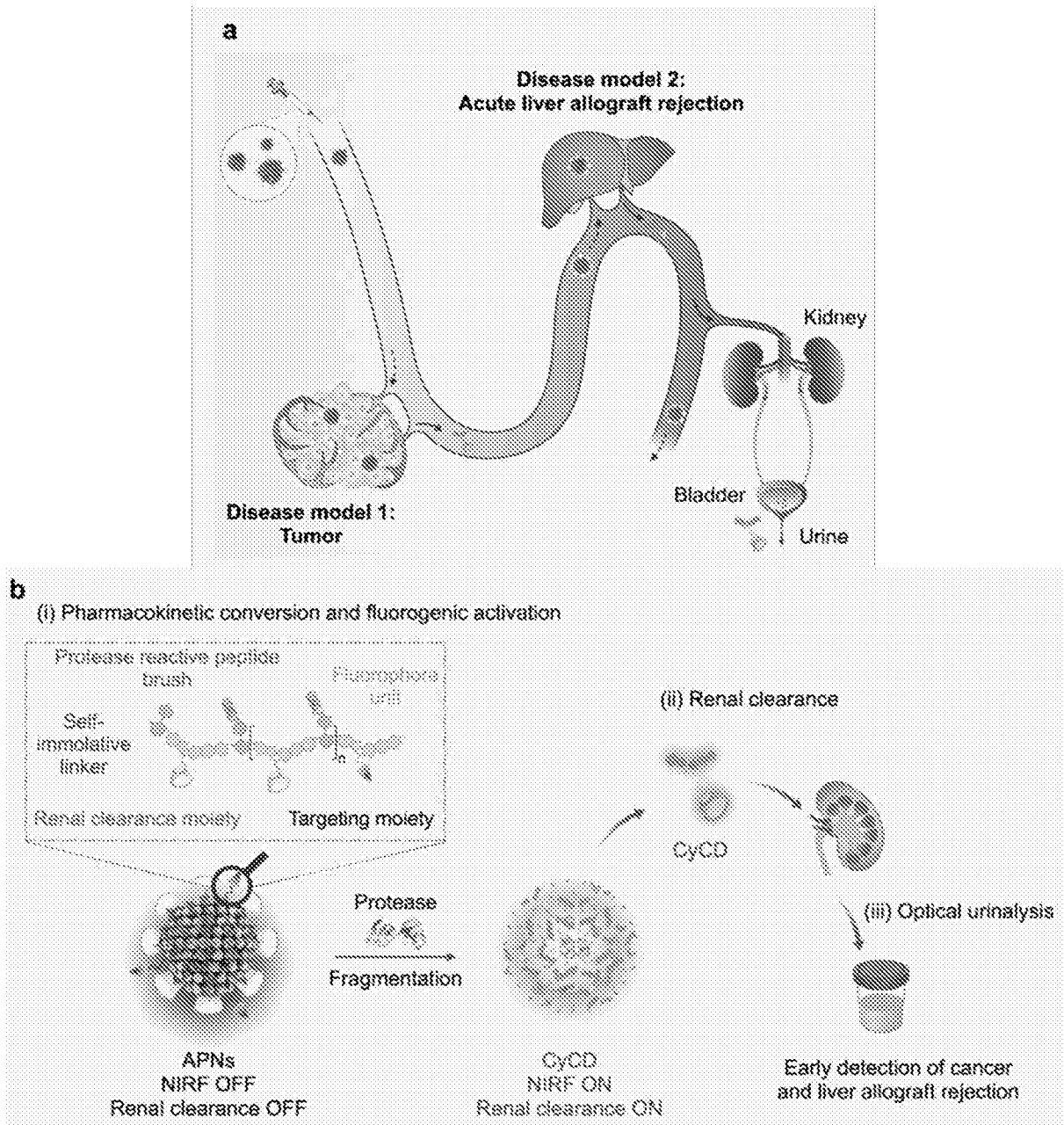


FIG. 1a-b

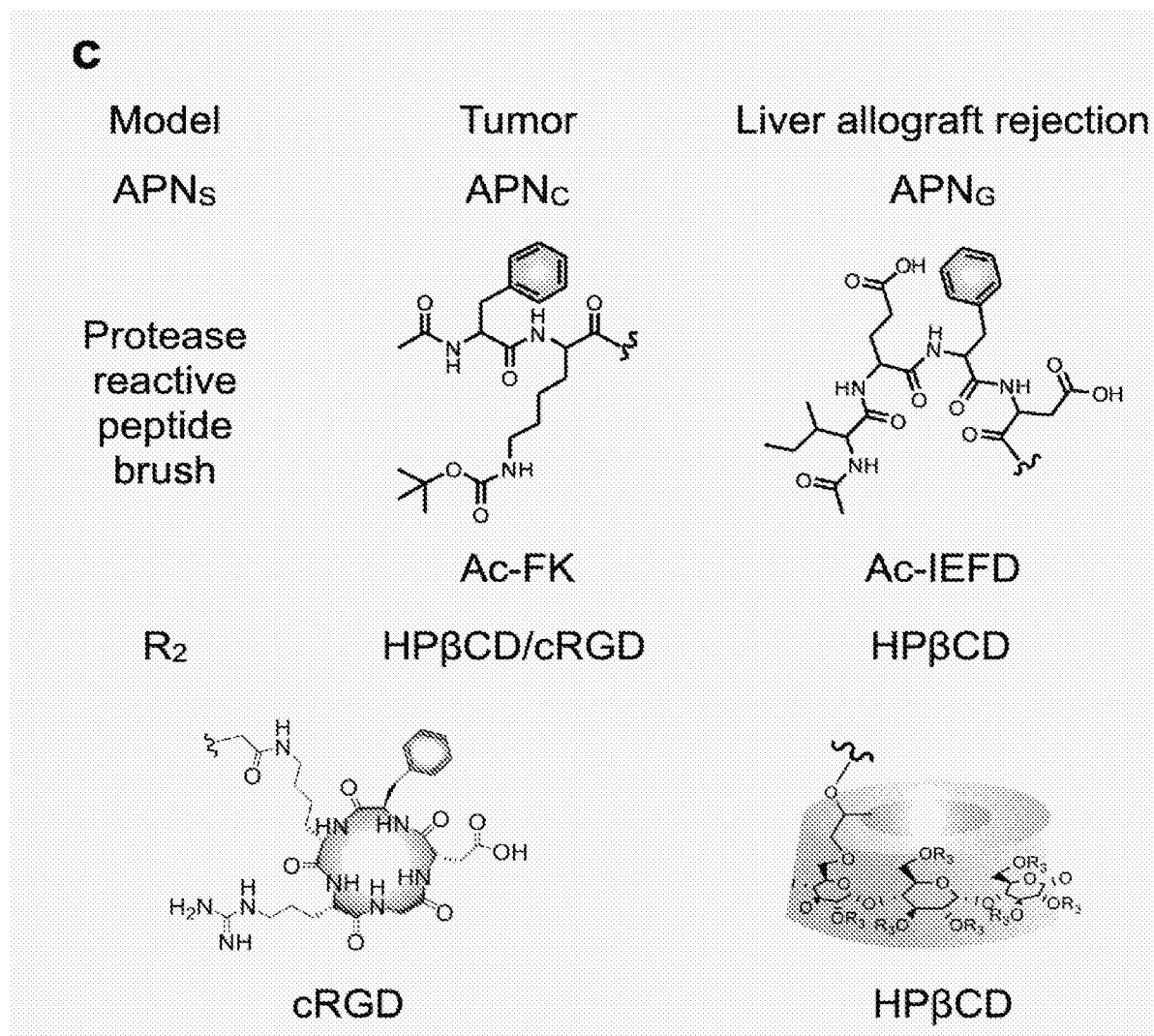


FIG. 1c

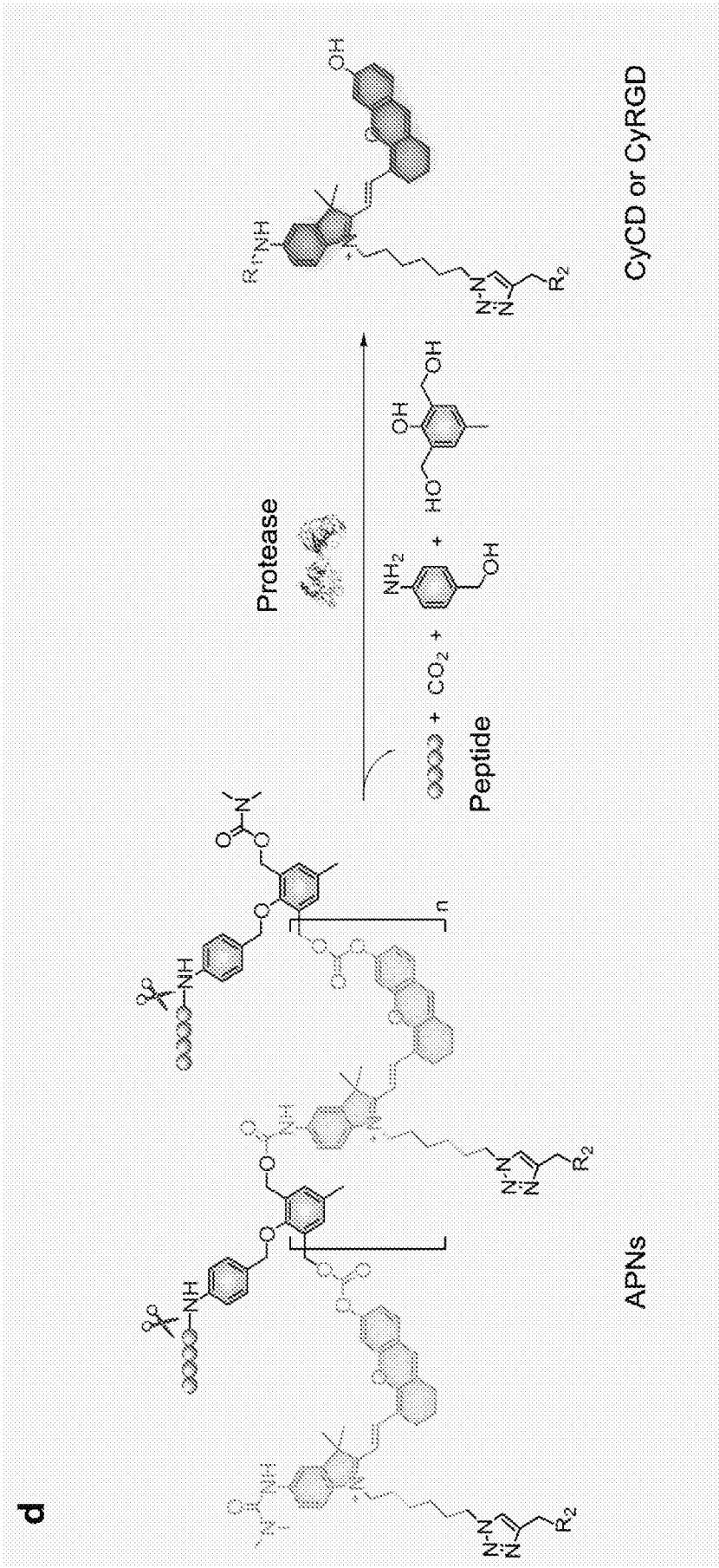


FIG. 1d

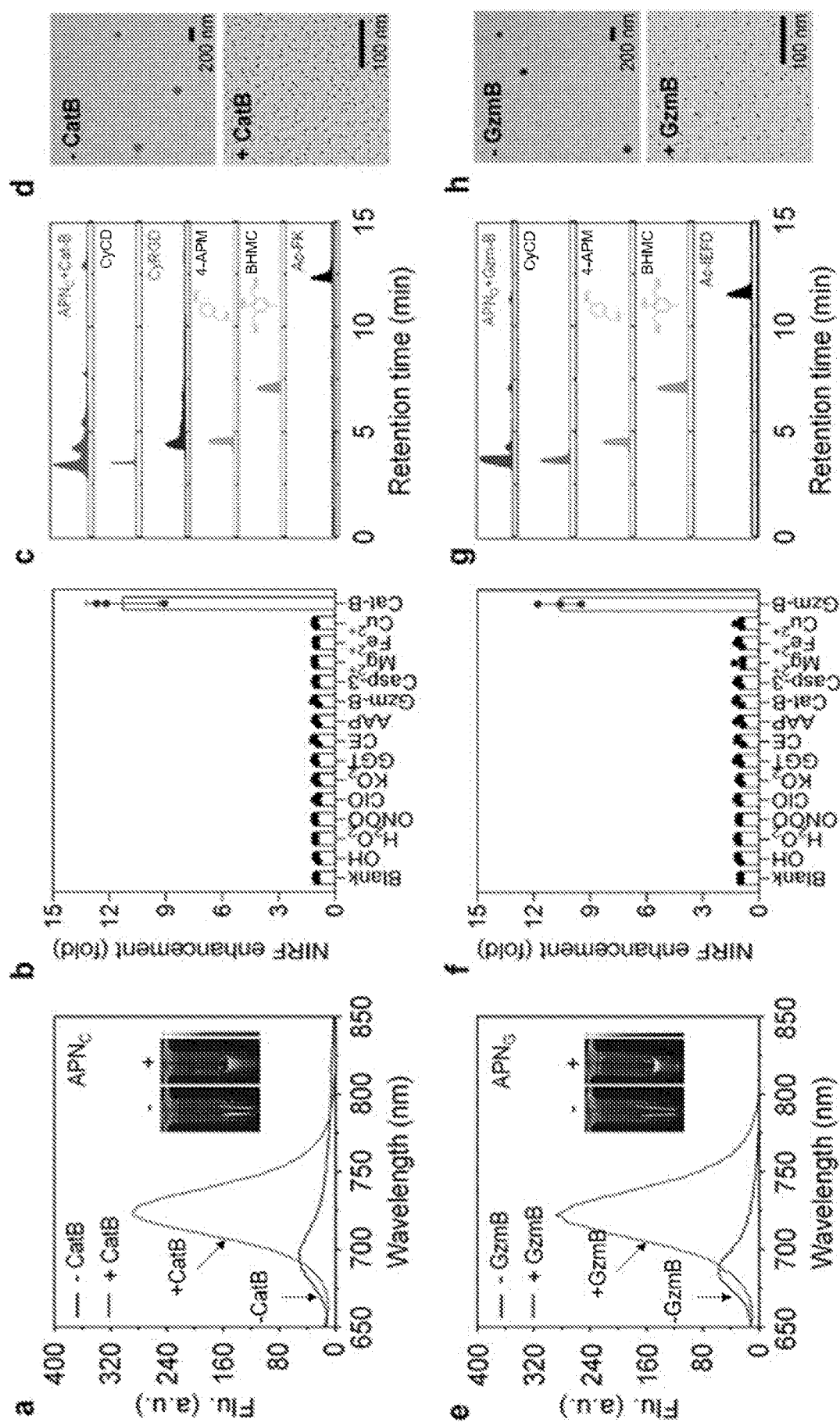


FIG. 2

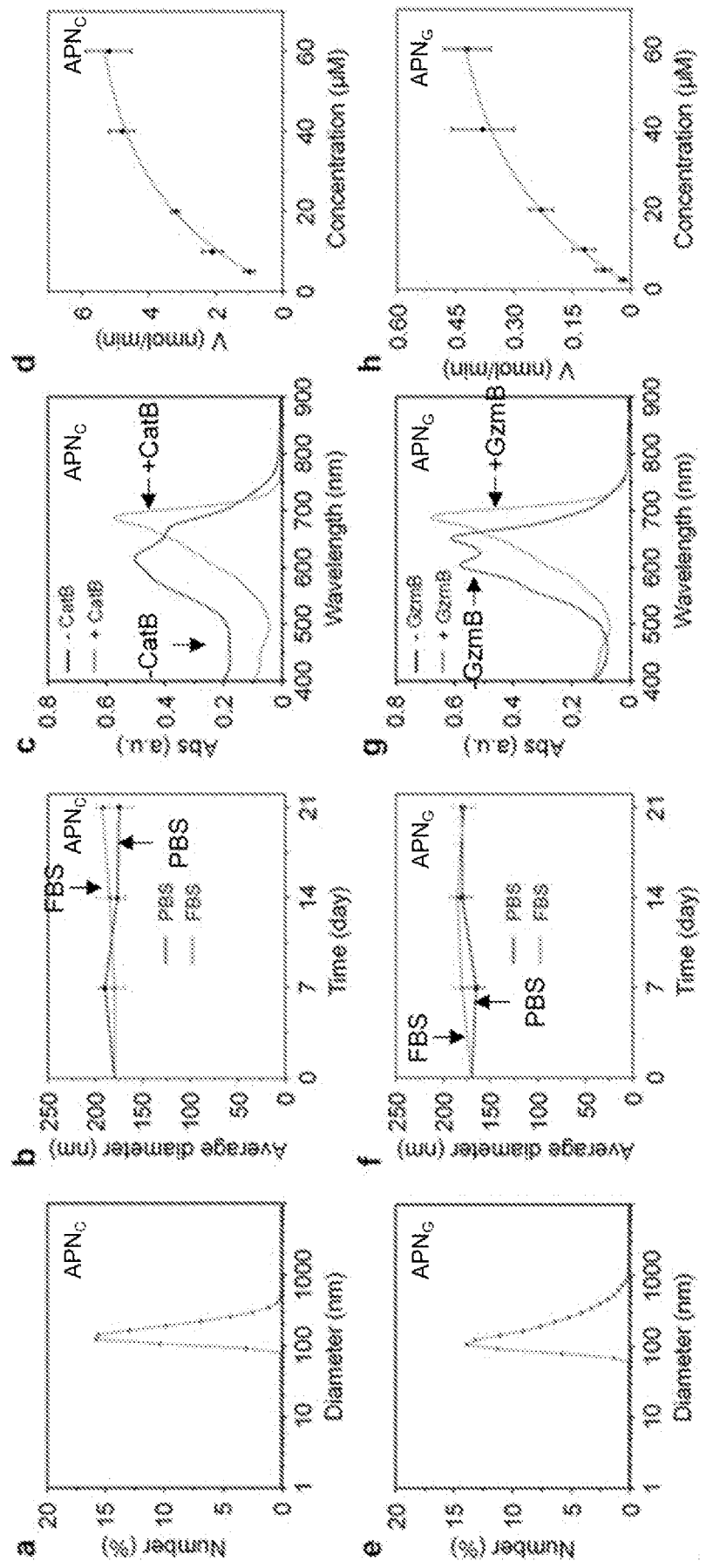


FIG. 3a-h

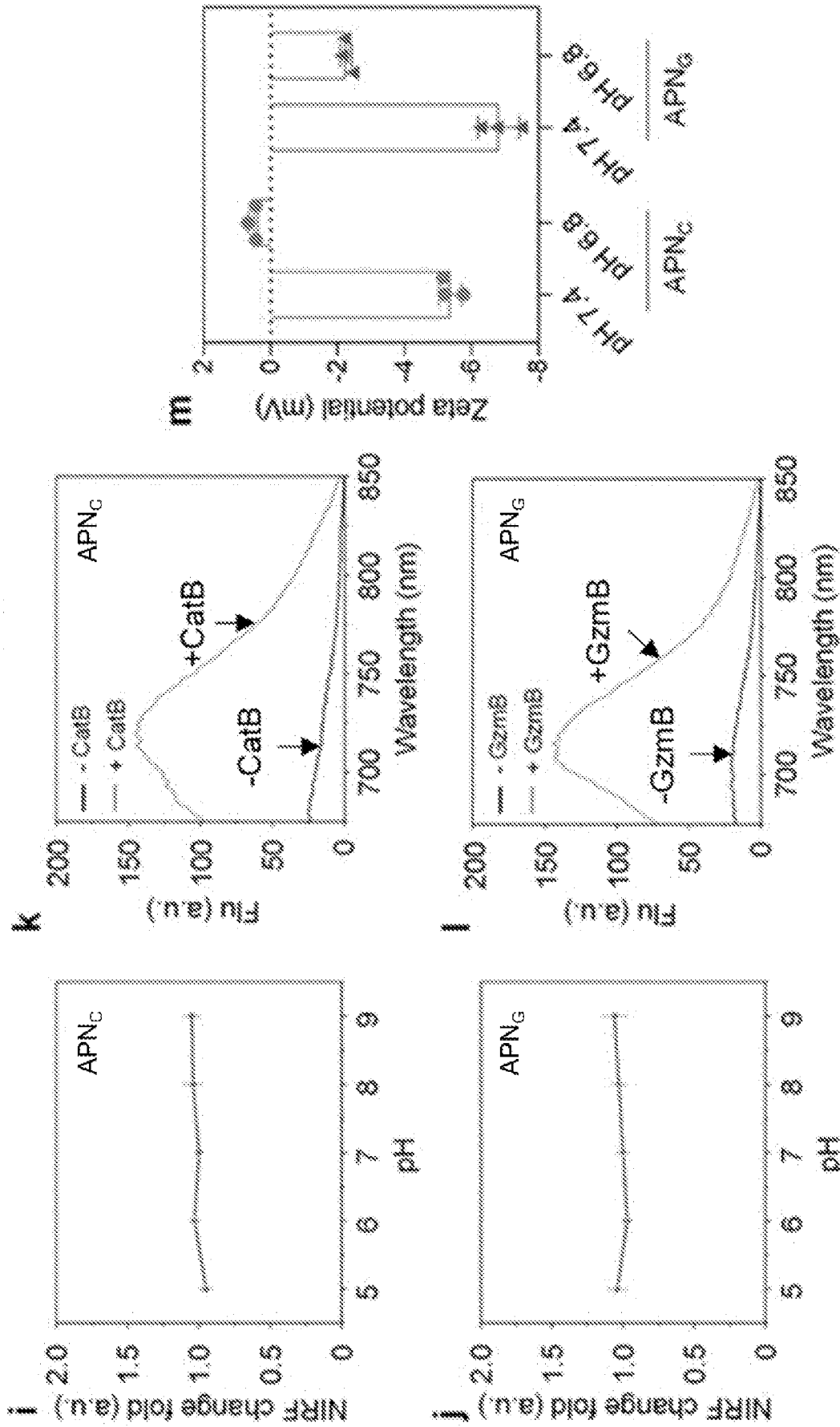


FIG. 3i-m

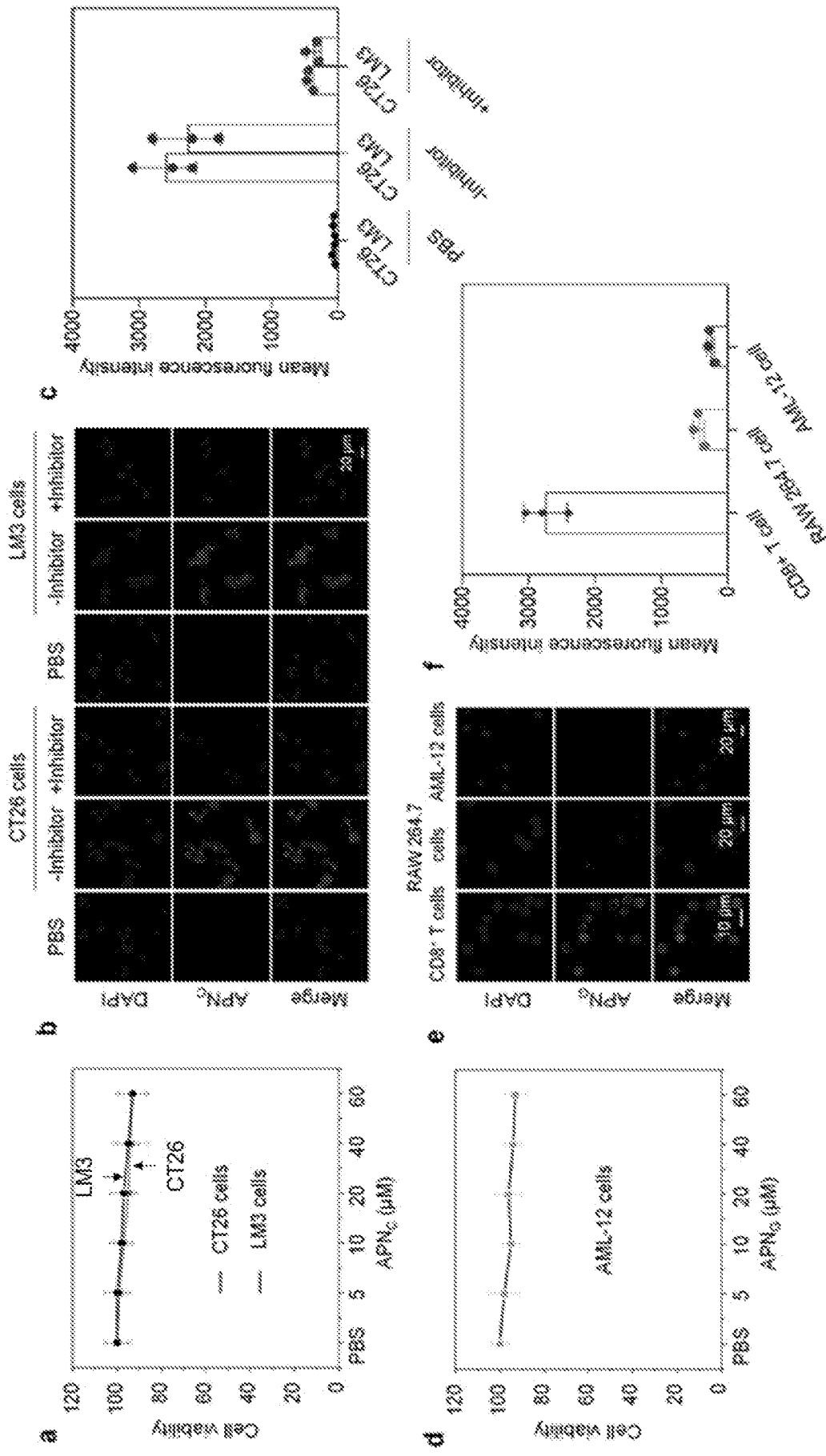


FIG. 4

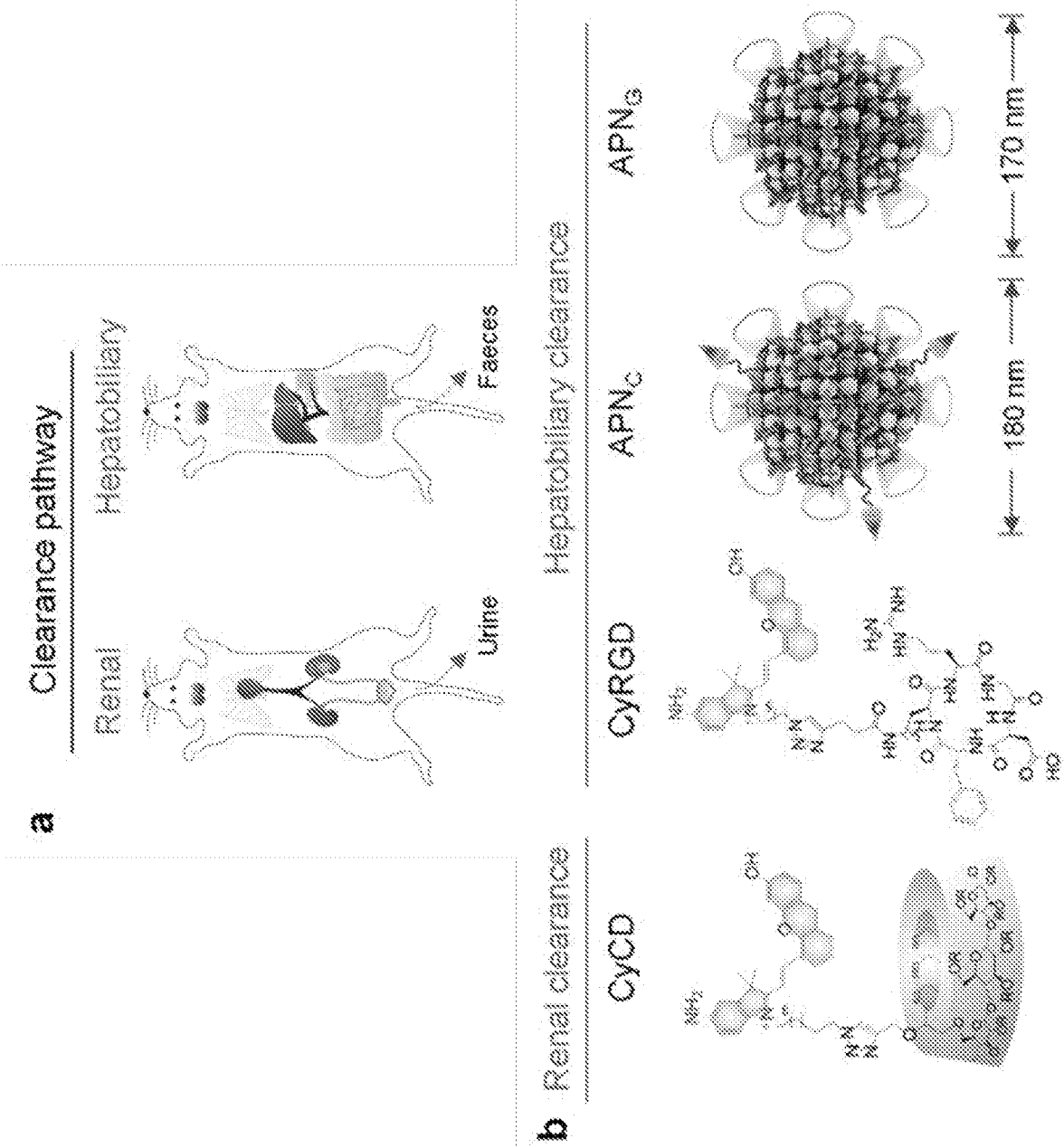
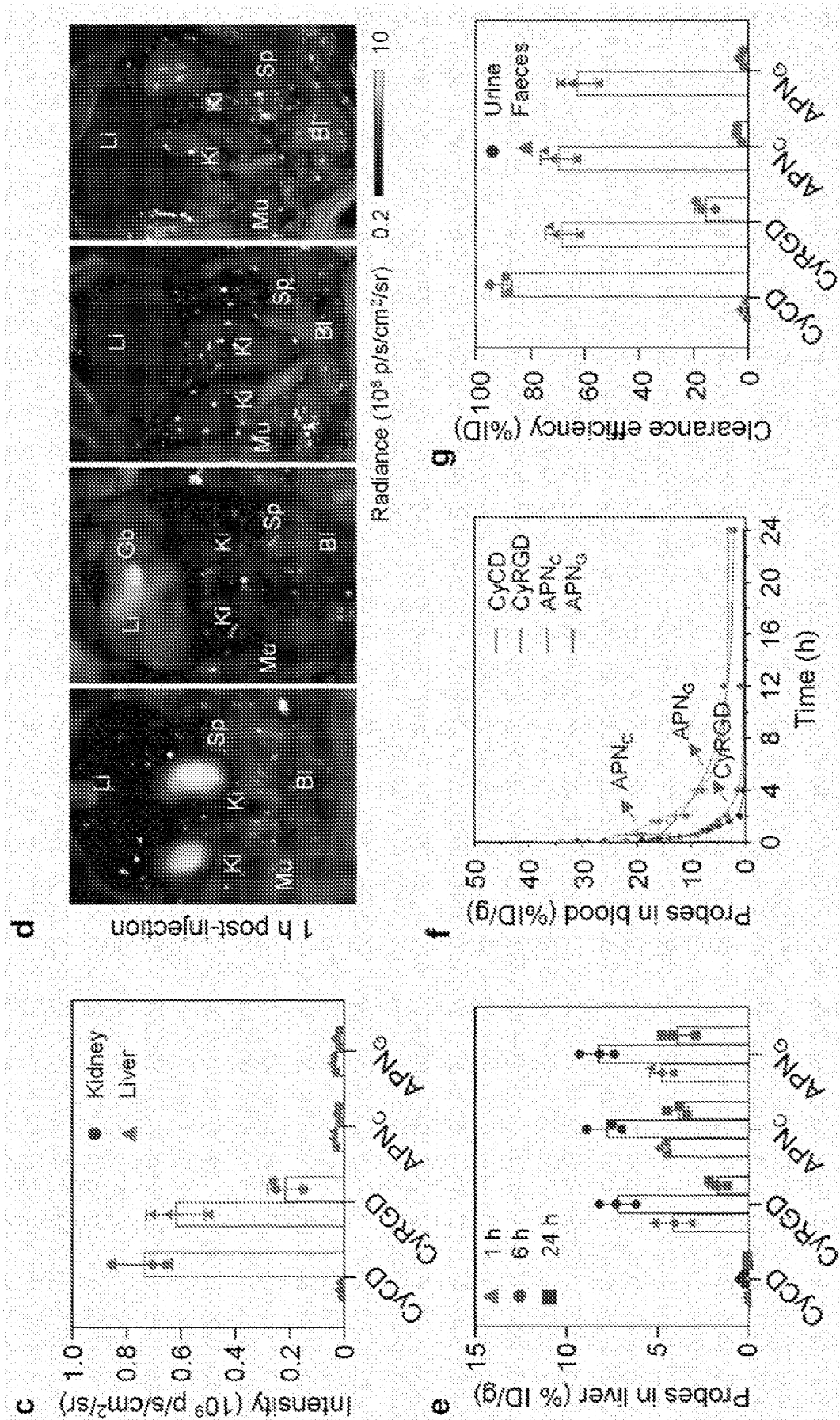


FIG. 5a-b



**FIG. 5c-g**

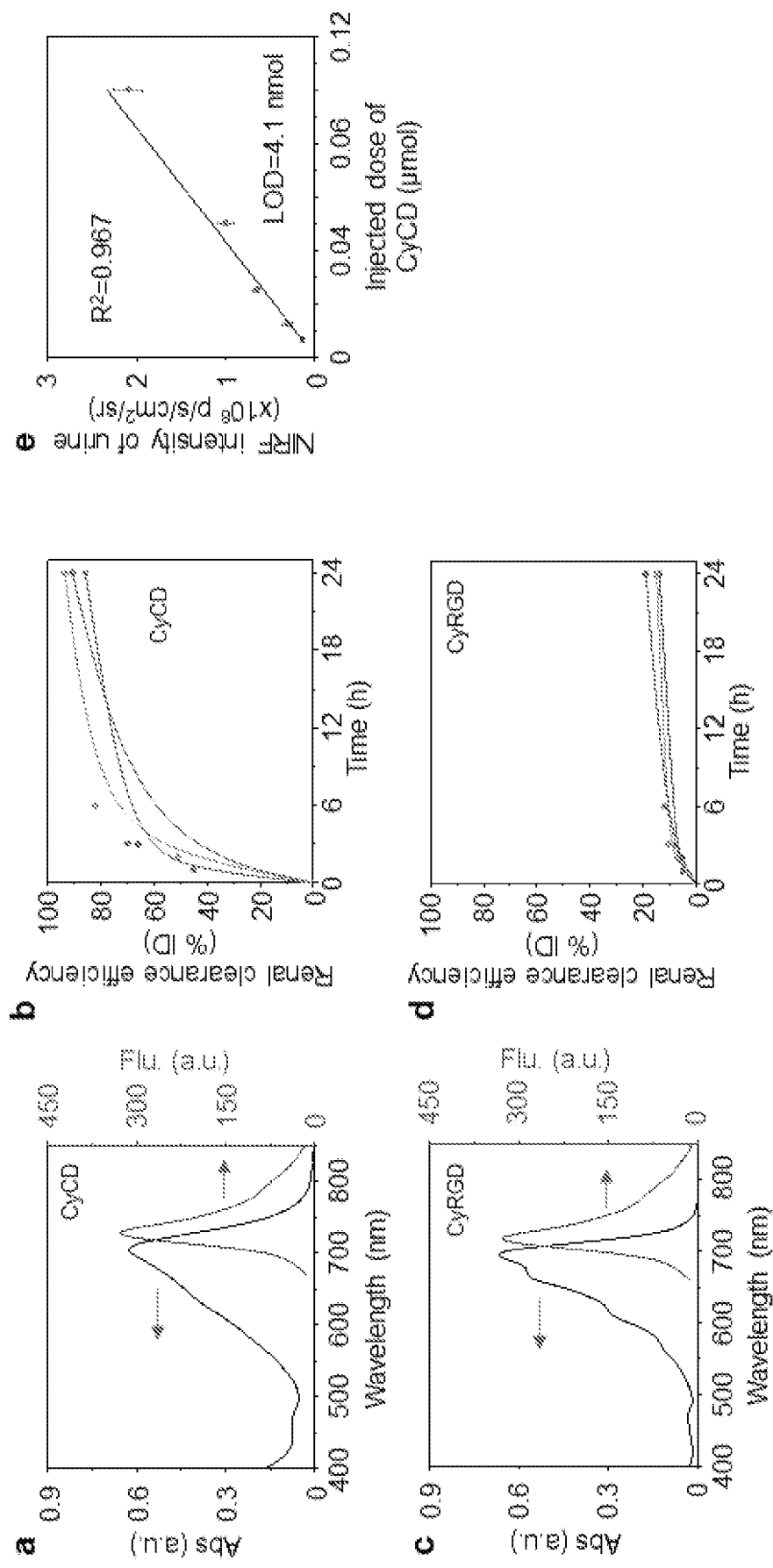


FIG. 6

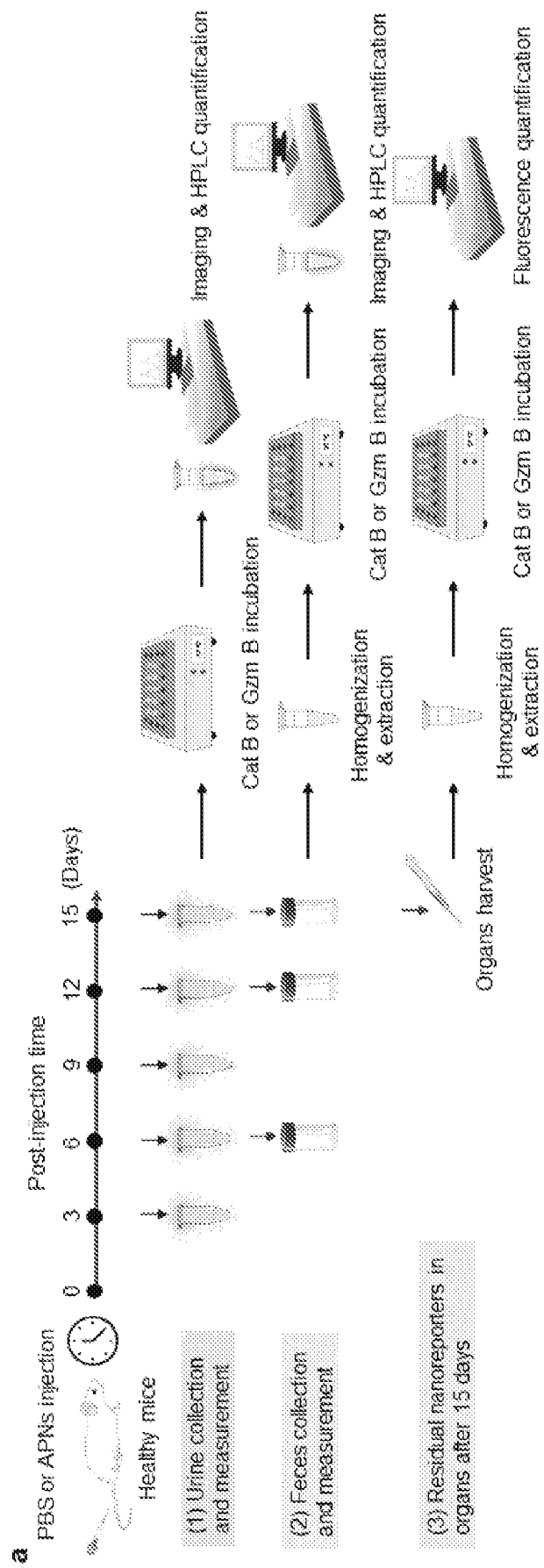


FIG. 7a

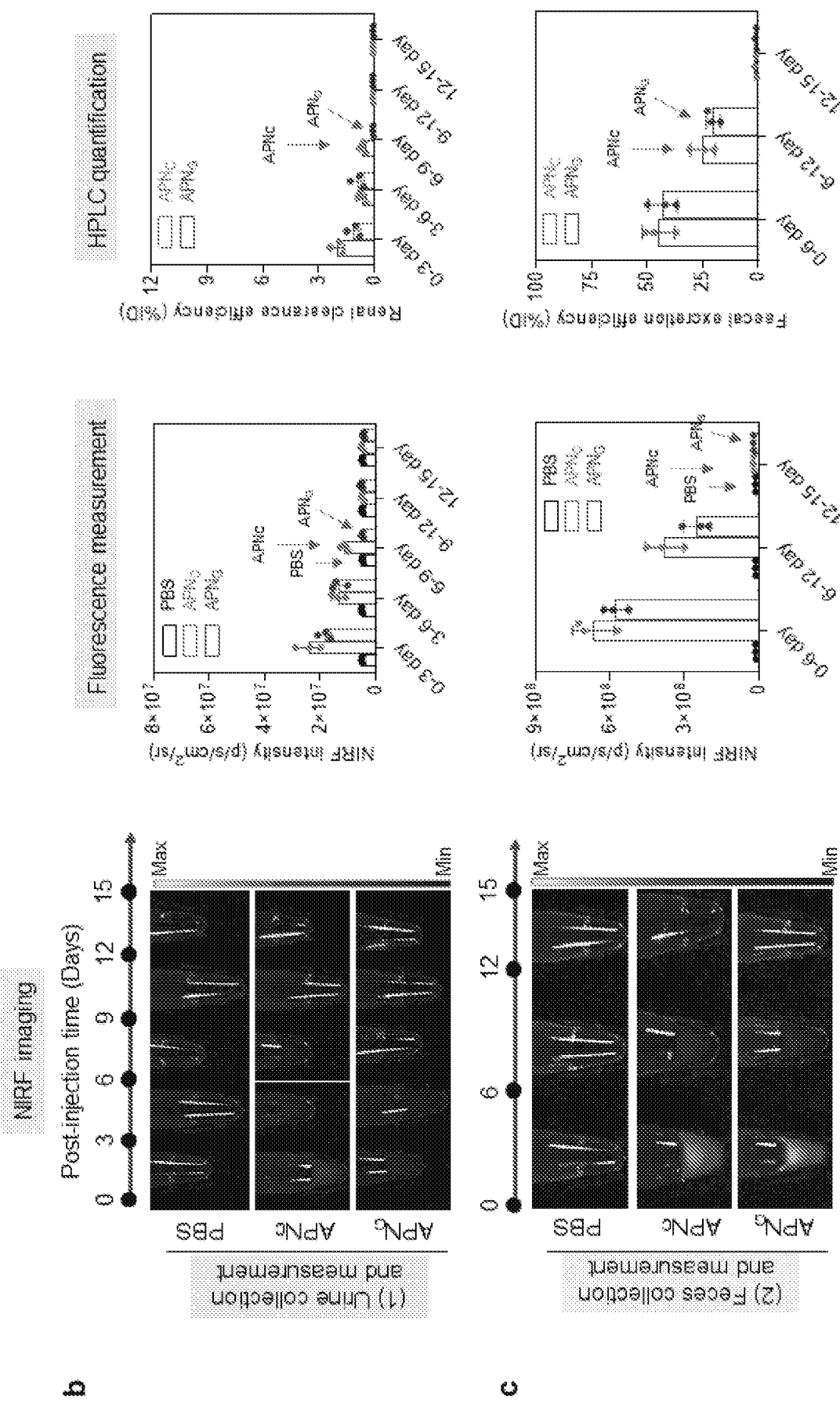


FIG. 7b-c

d

(3) Residual nanoreporters  
in organs after 15 days

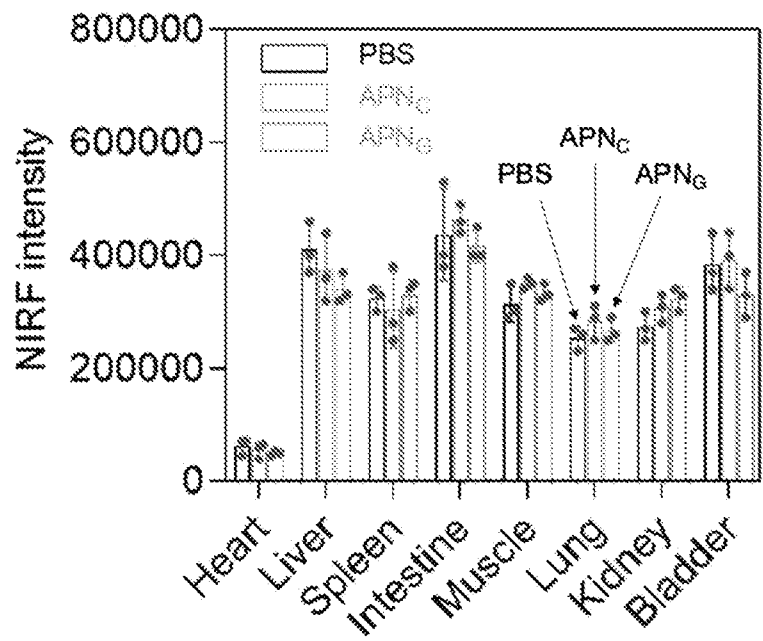
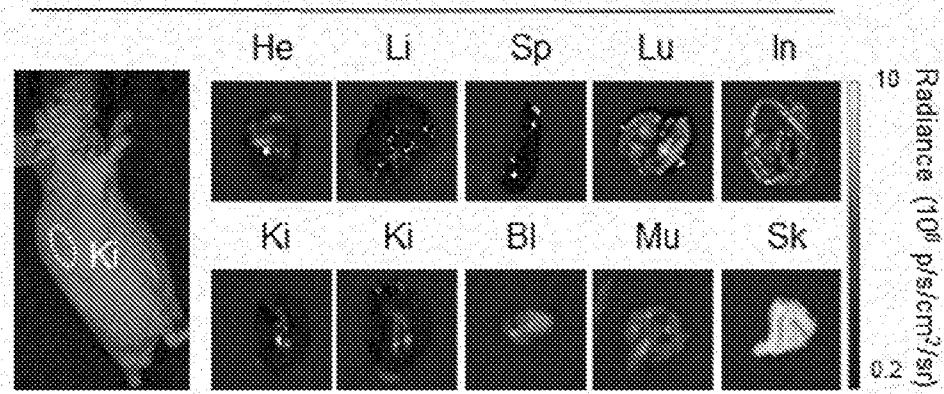


FIG. 7d

a

1 h post-injection of PBS



b

1 h post-injection of CyCD

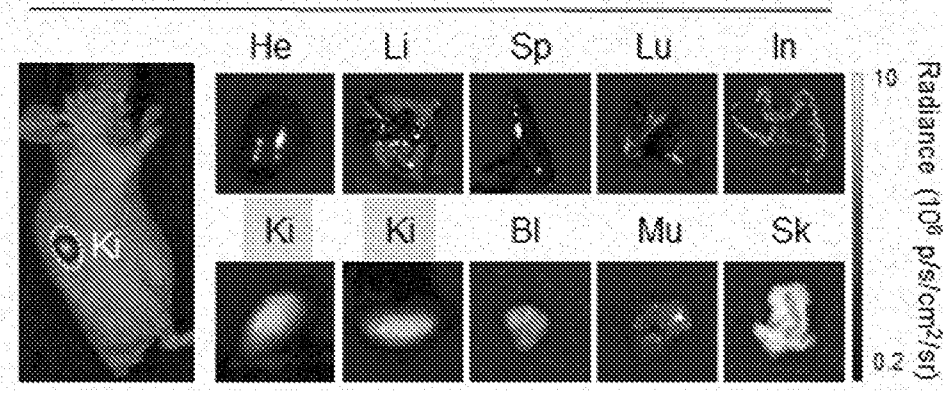


FIG. 8a-b

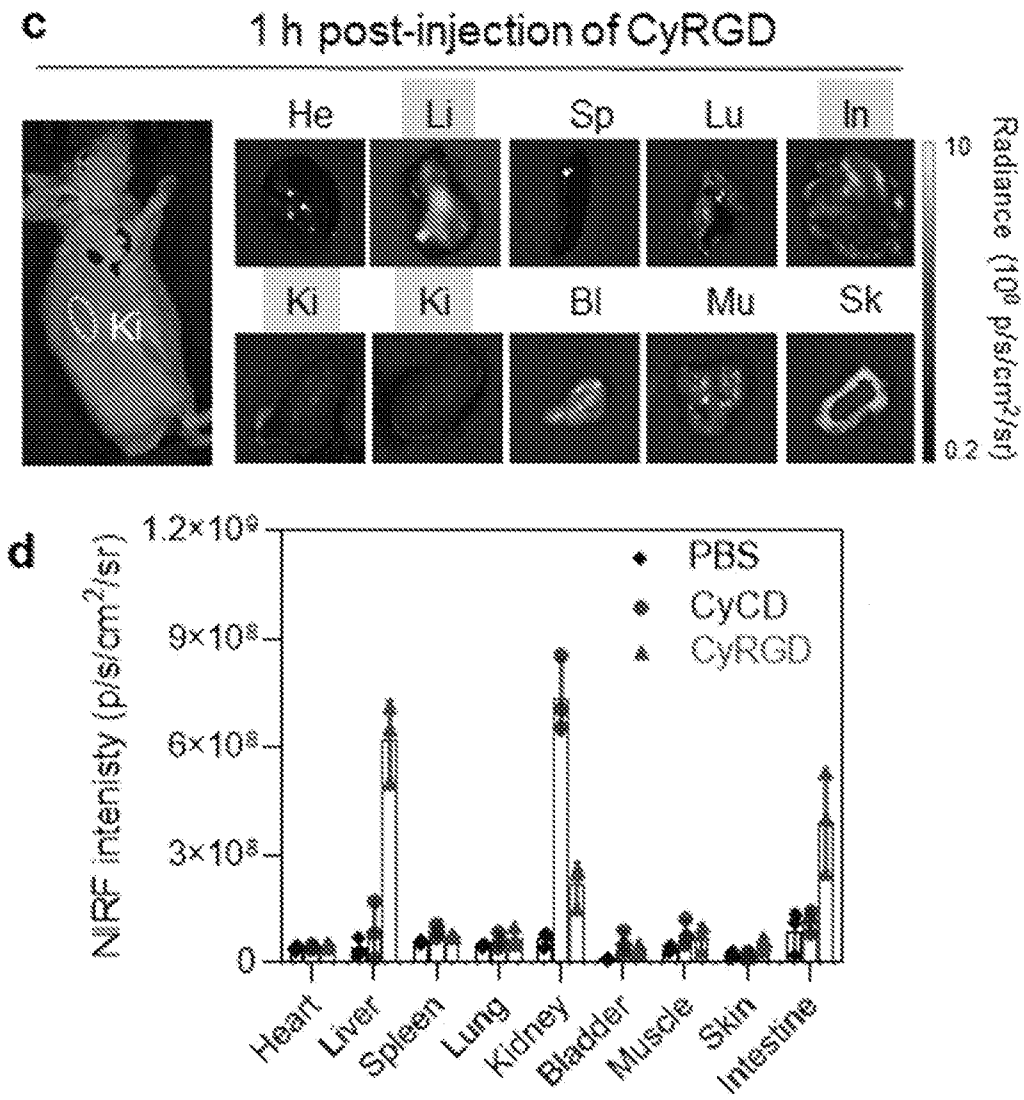


FIG. 8c-d

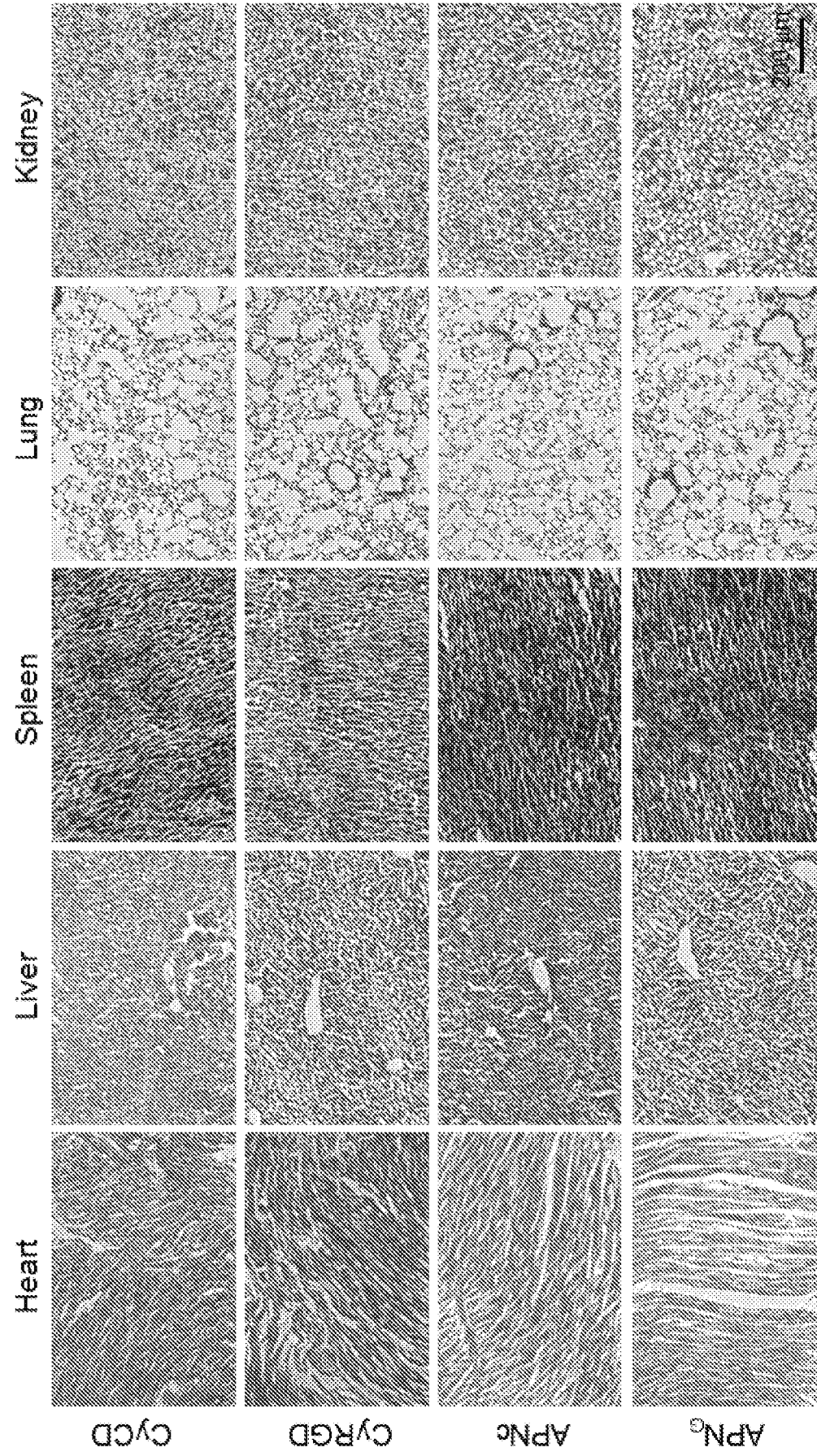


FIG. 9

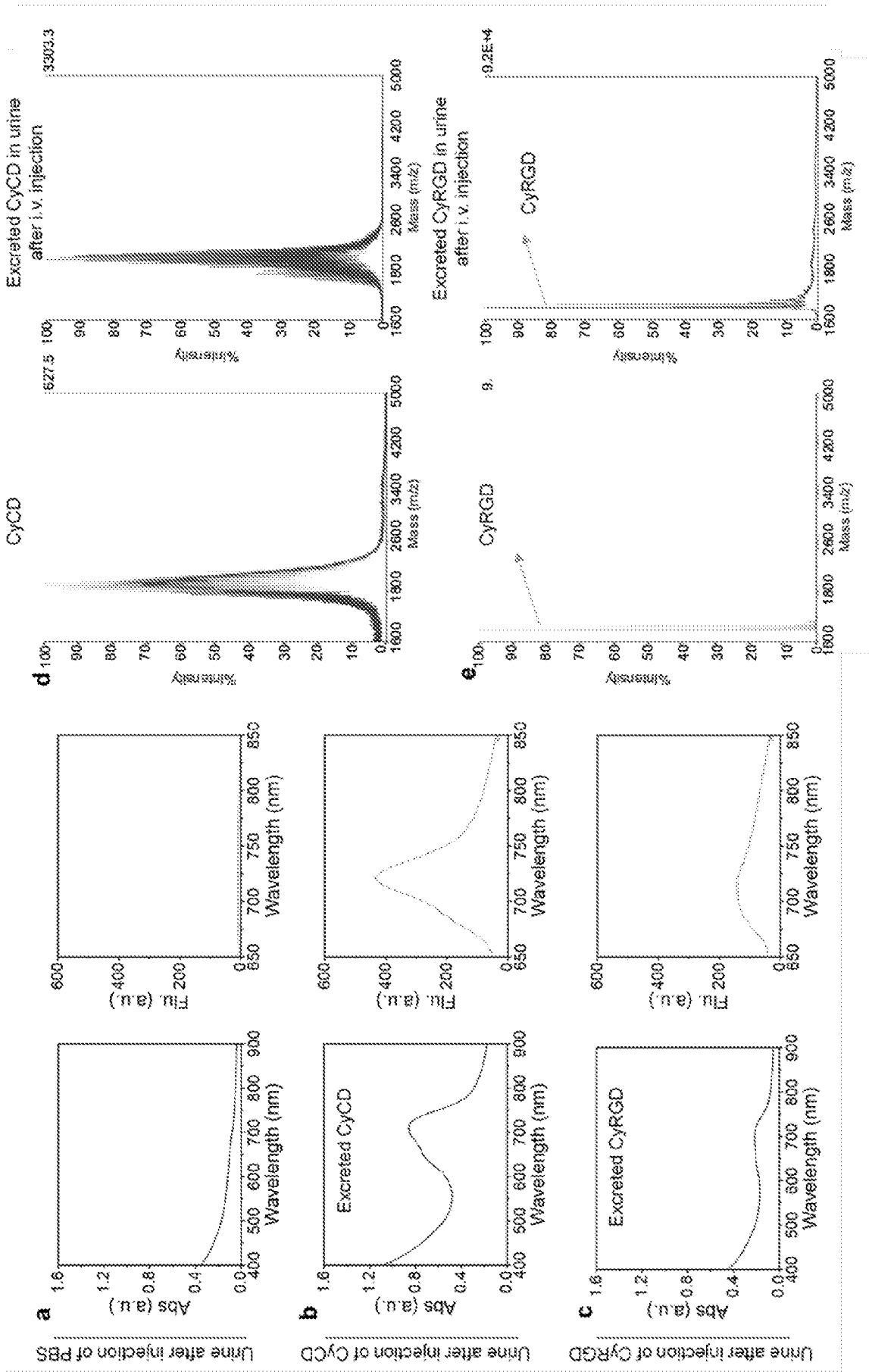


FIG. 10

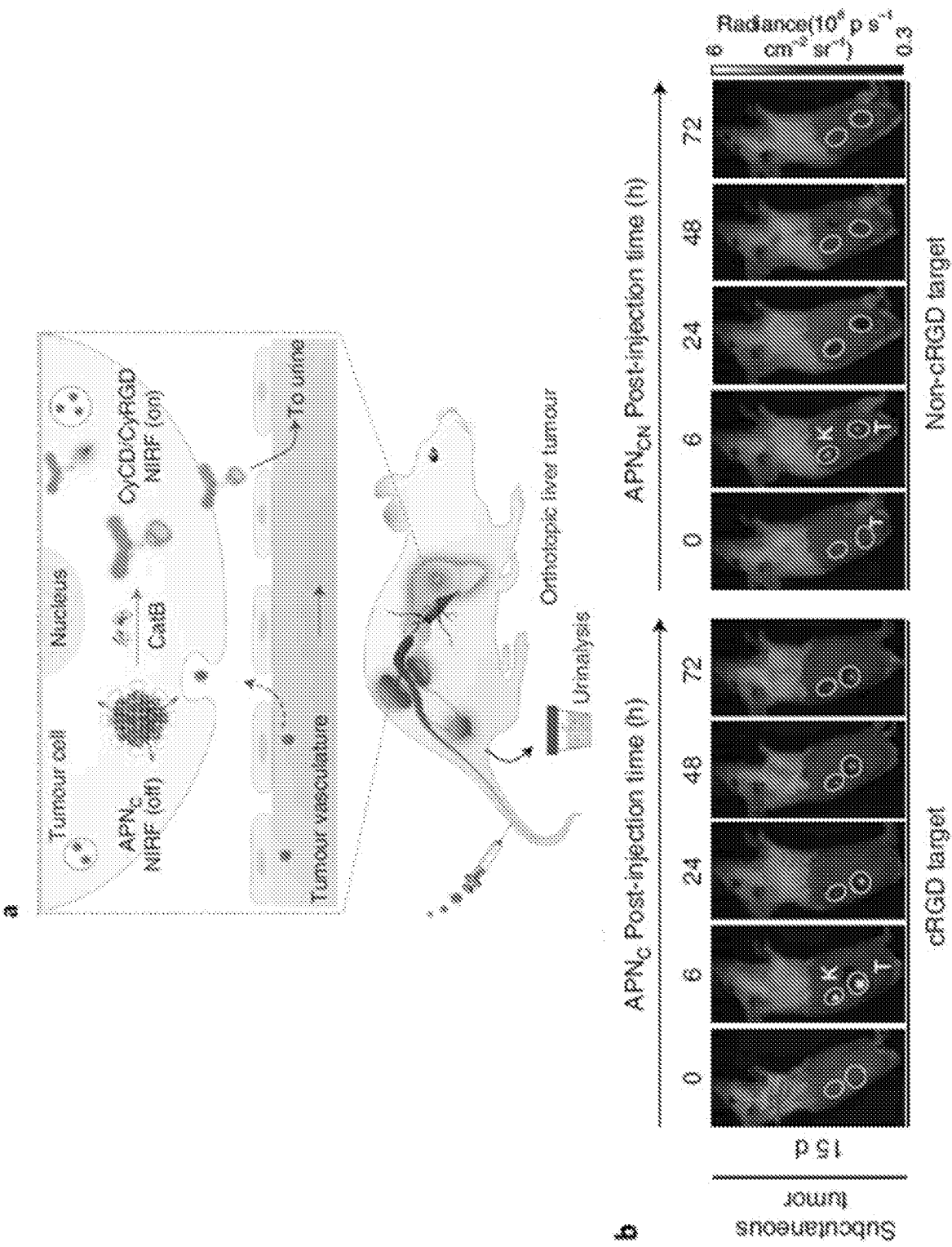


FIG. 11a-b

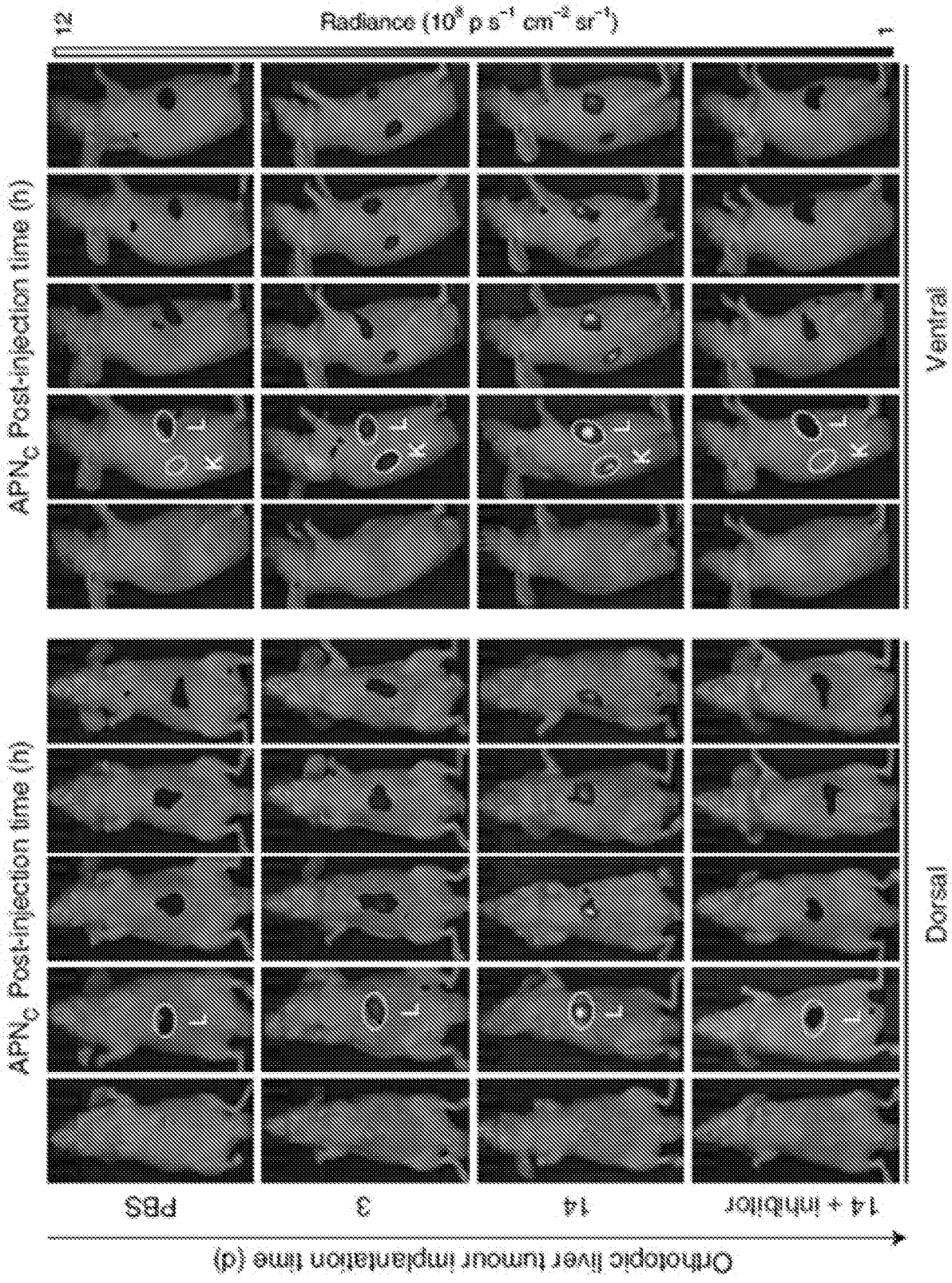


FIG. 11c

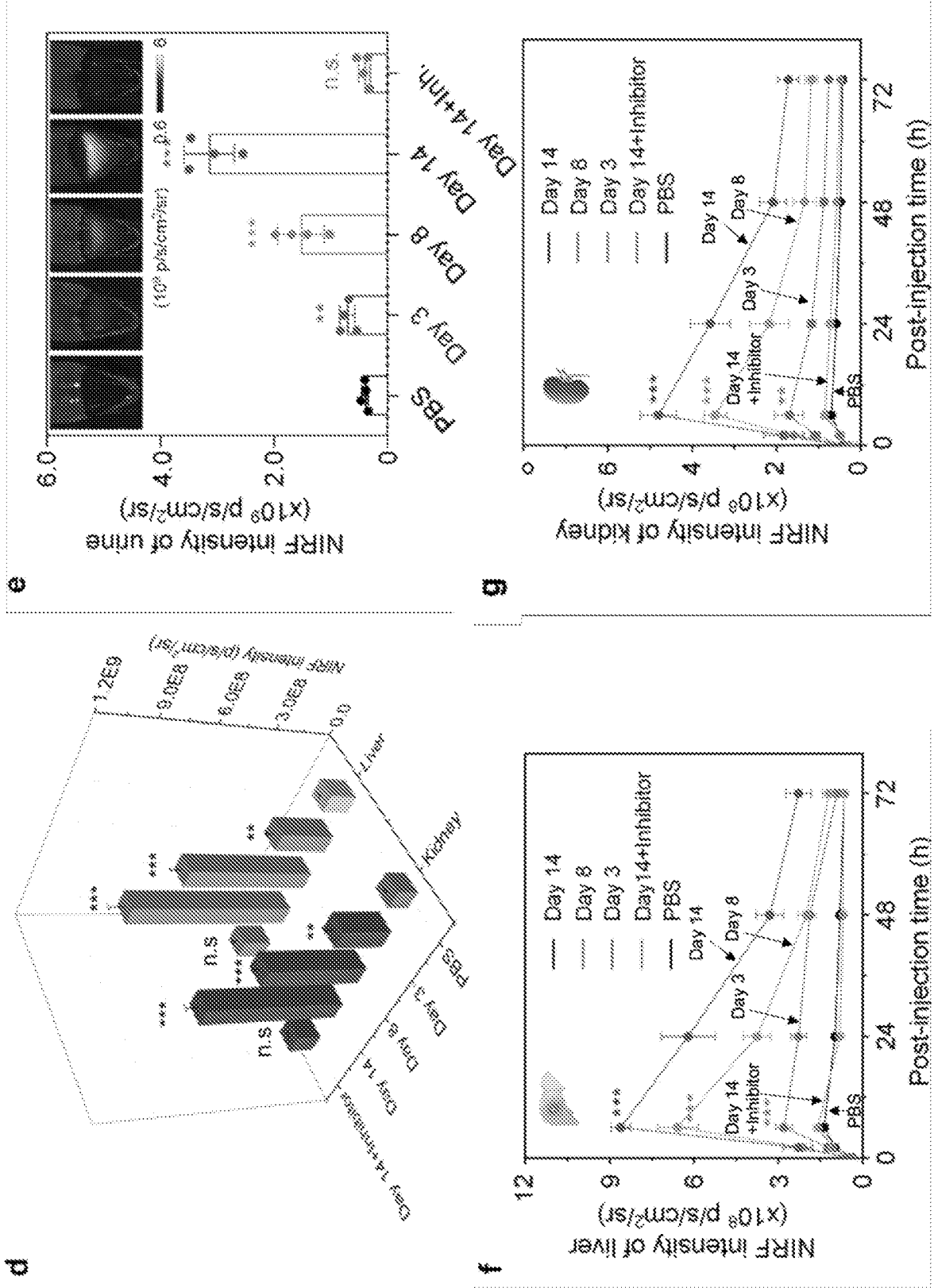


FIG. 11d-g

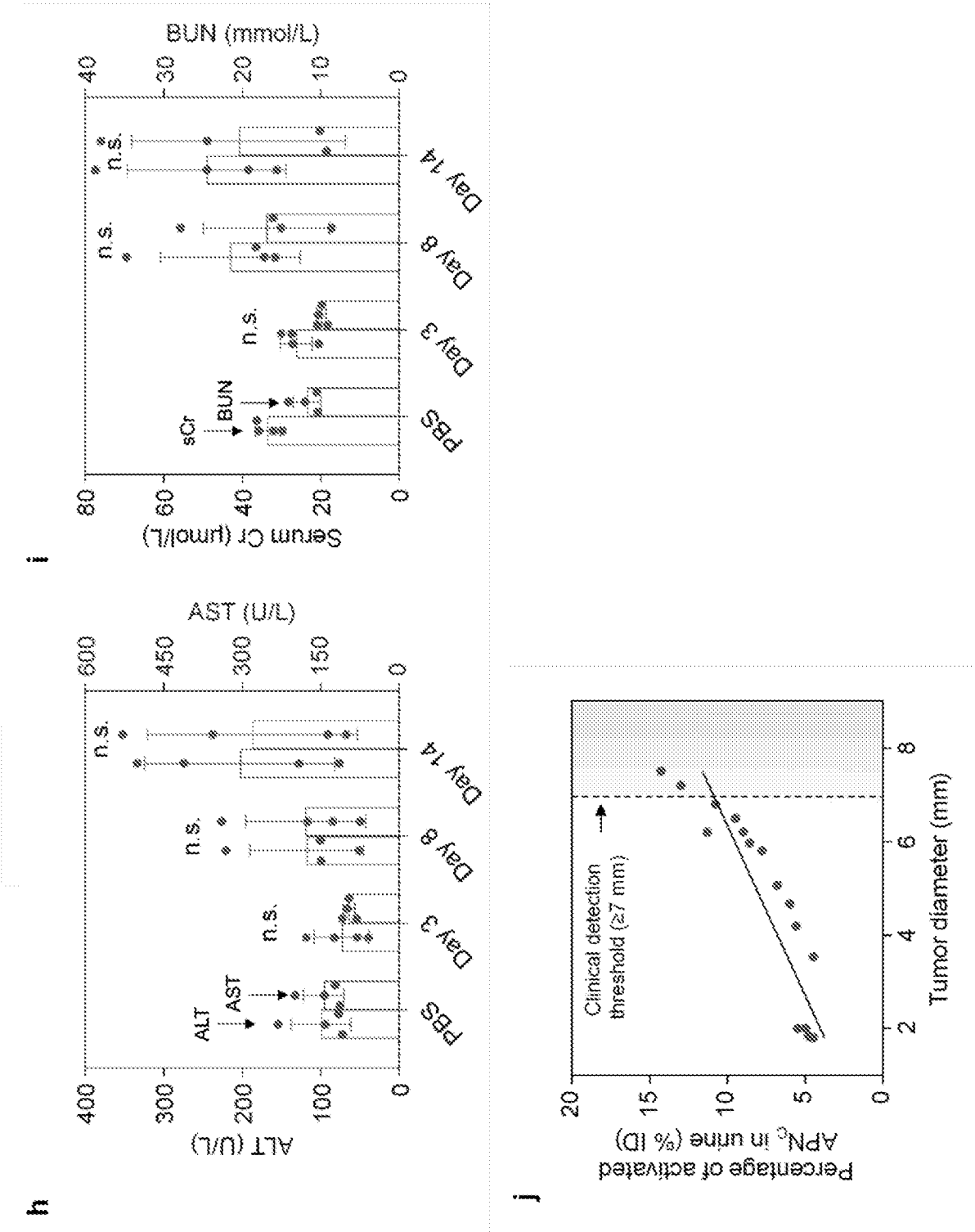


FIG. 11h-j



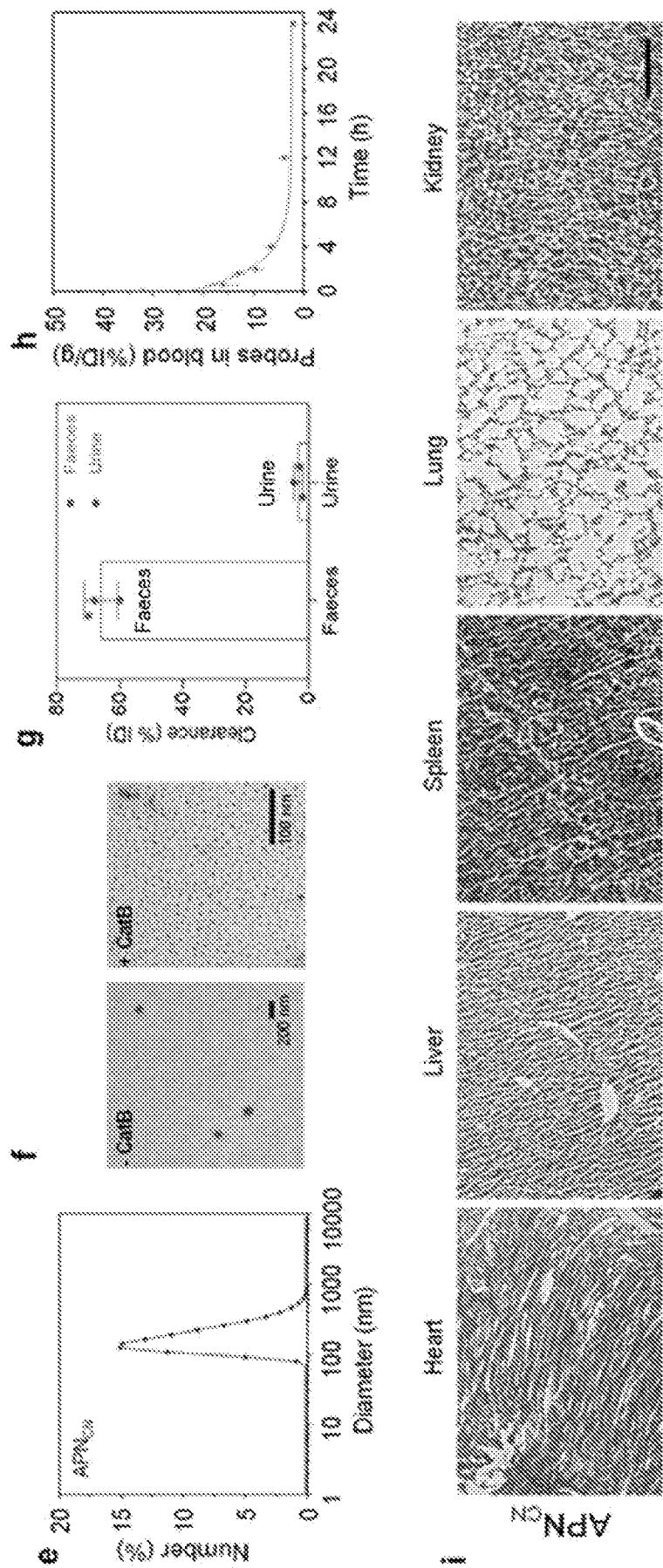


FIG. 12e-i

Development of CT26 tumor-bearing mice model and in vivo NIRF imaging

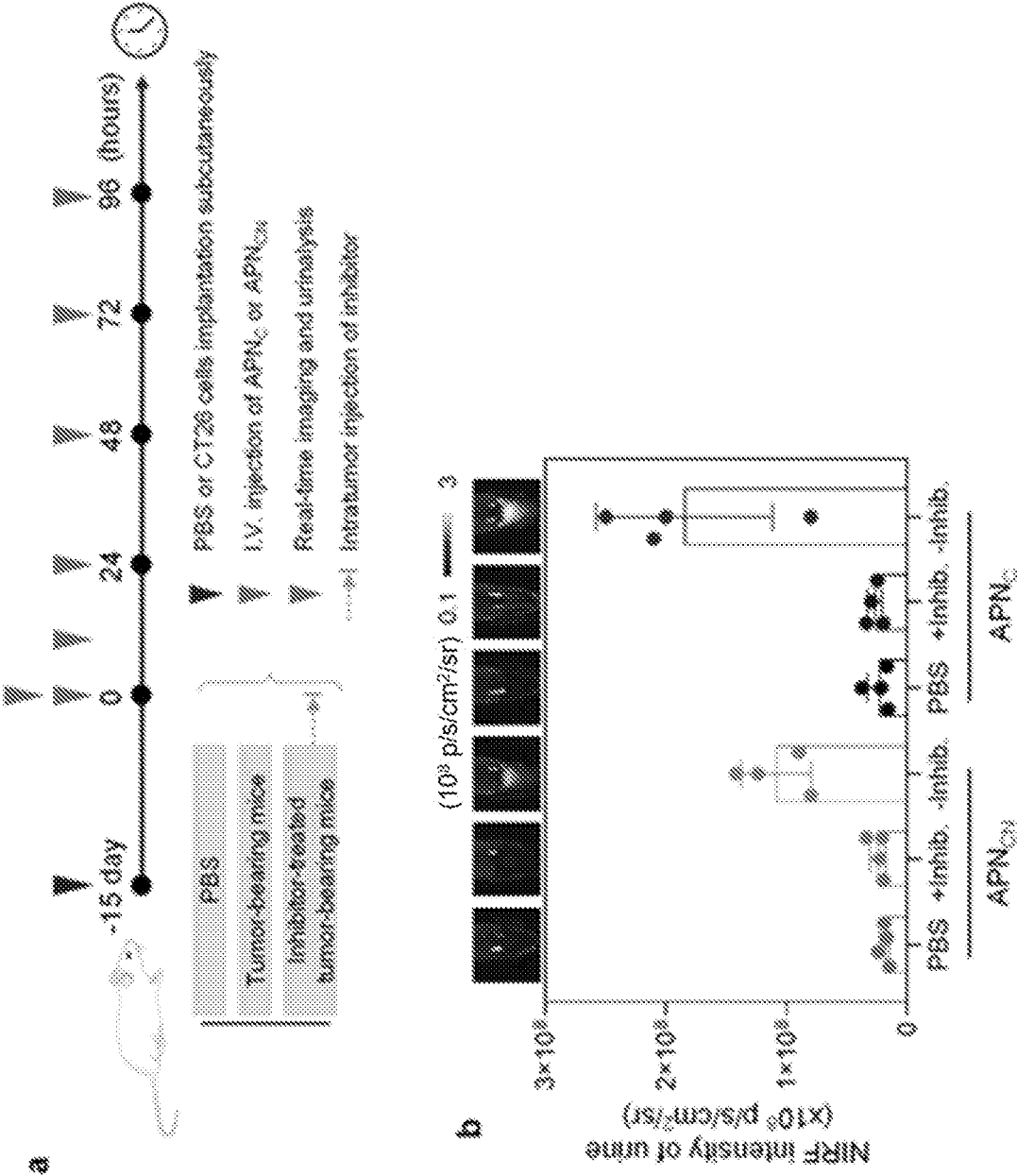


FIG. 13a-b

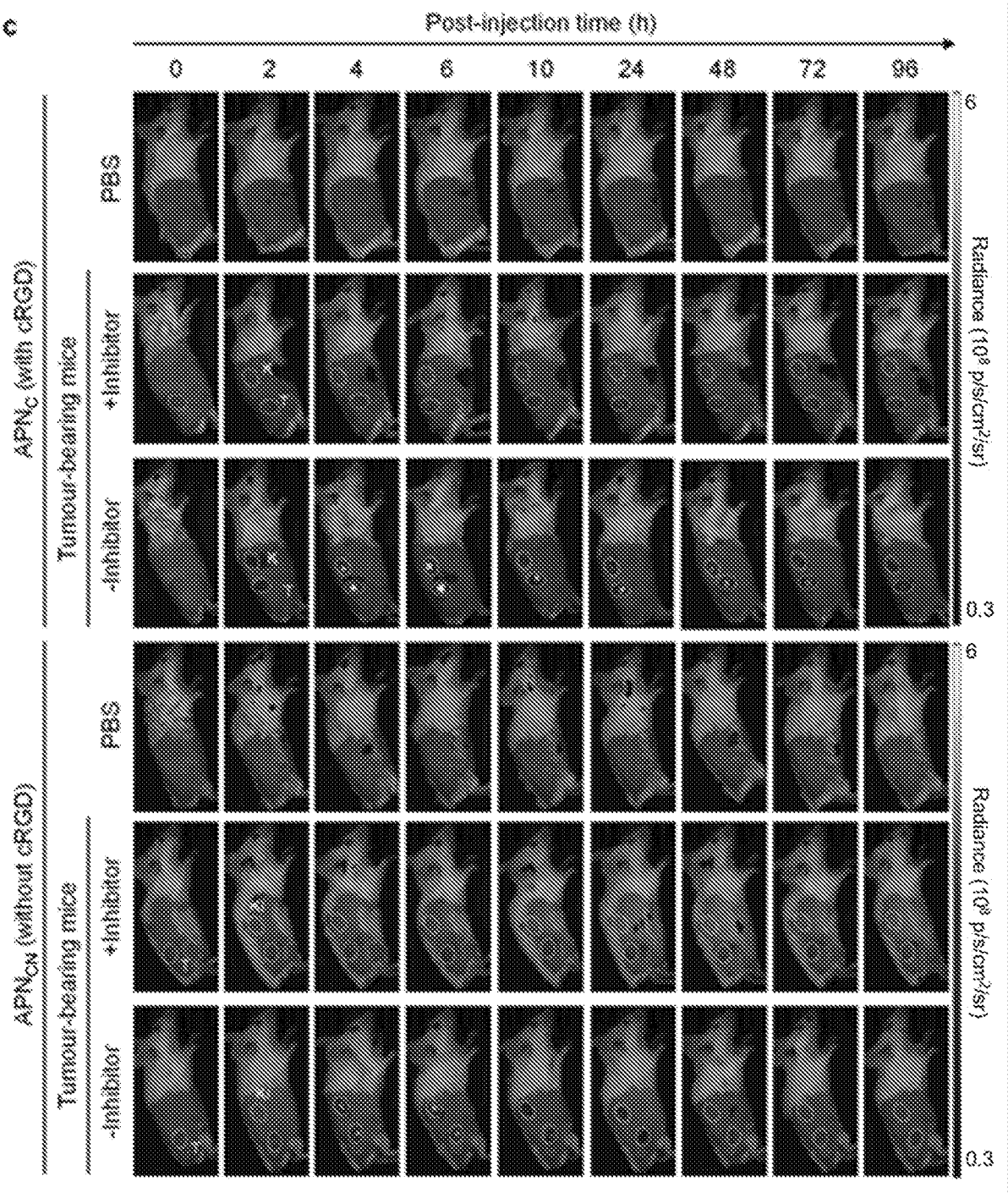


FIG. 13c

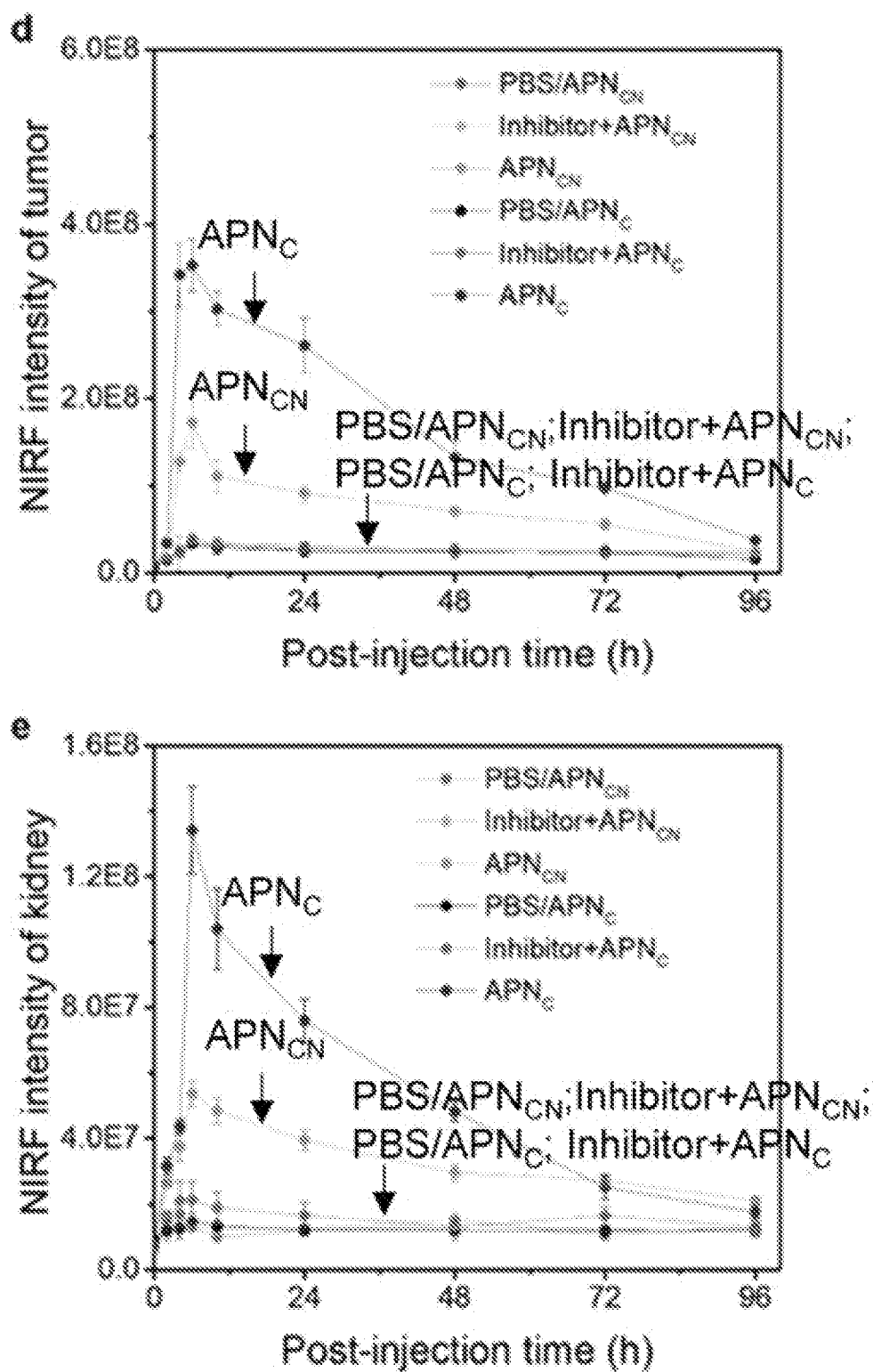


FIG. 13d-e

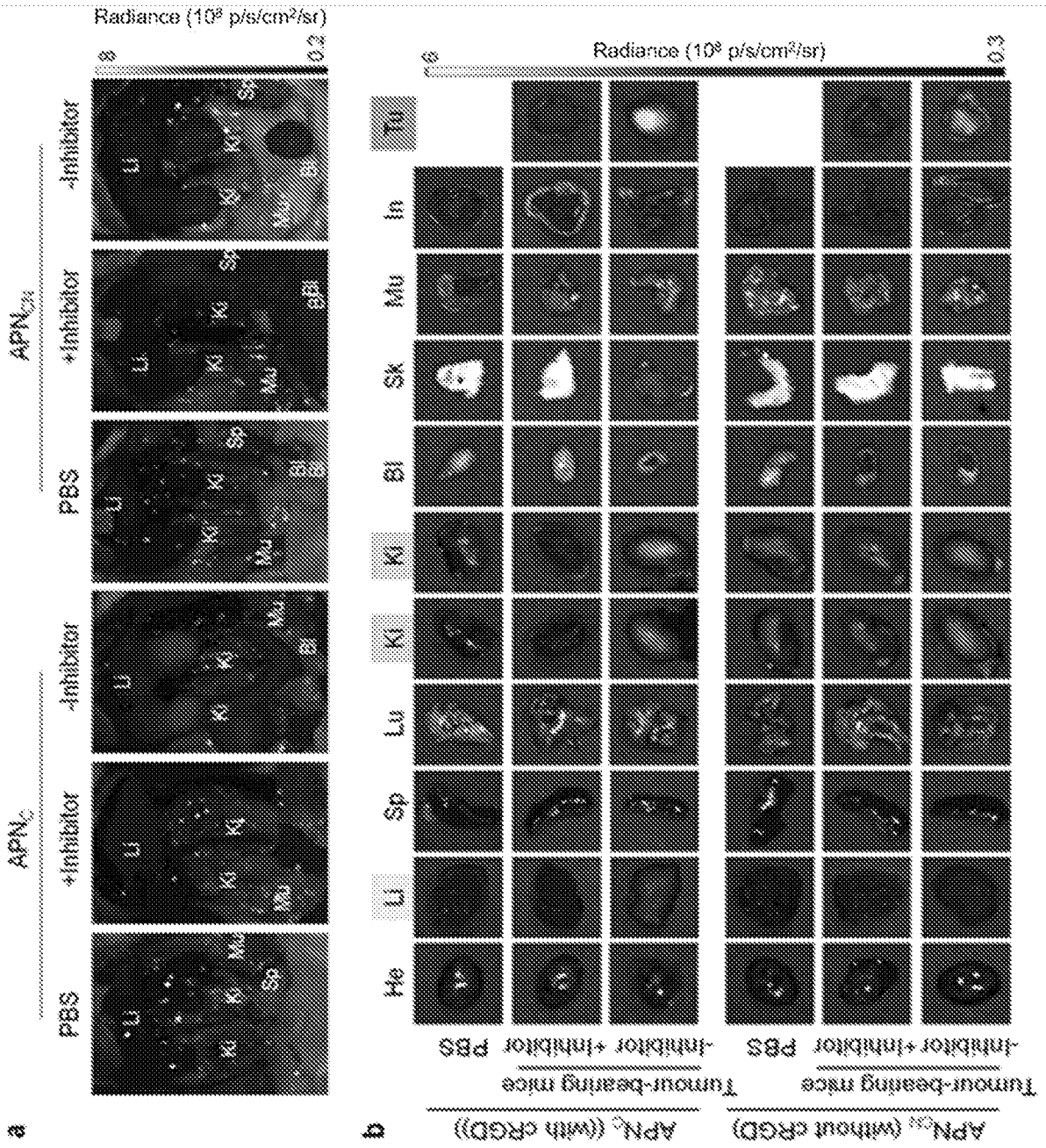


FIG. 14a-b

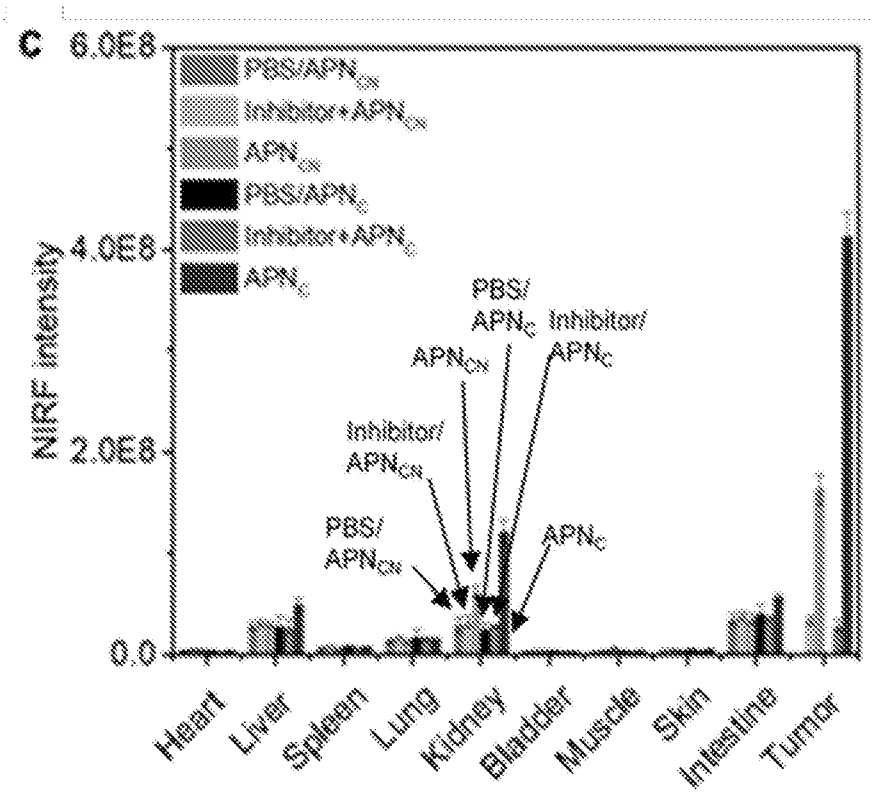


FIG. 14c

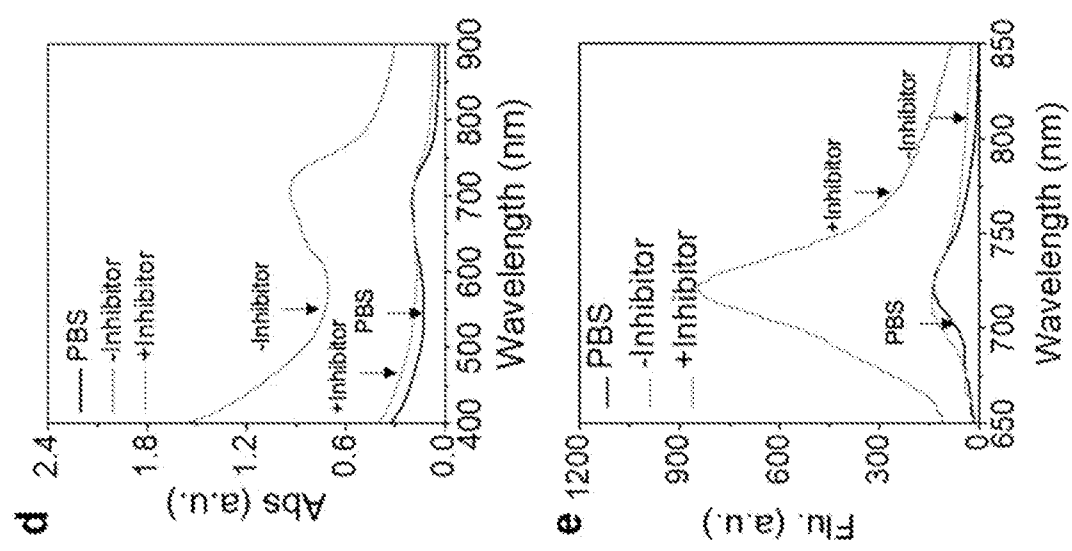
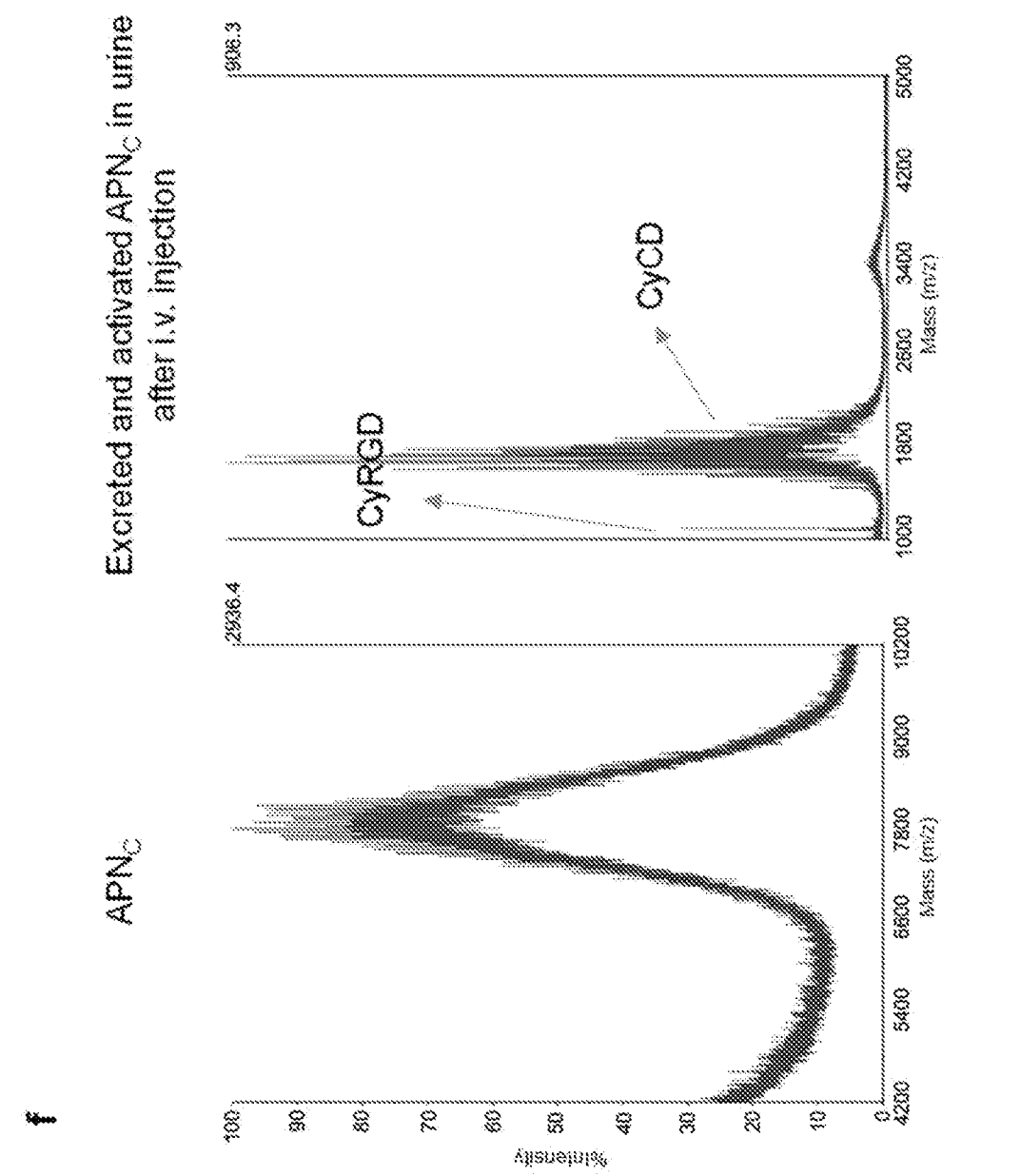


FIG. 14d-f



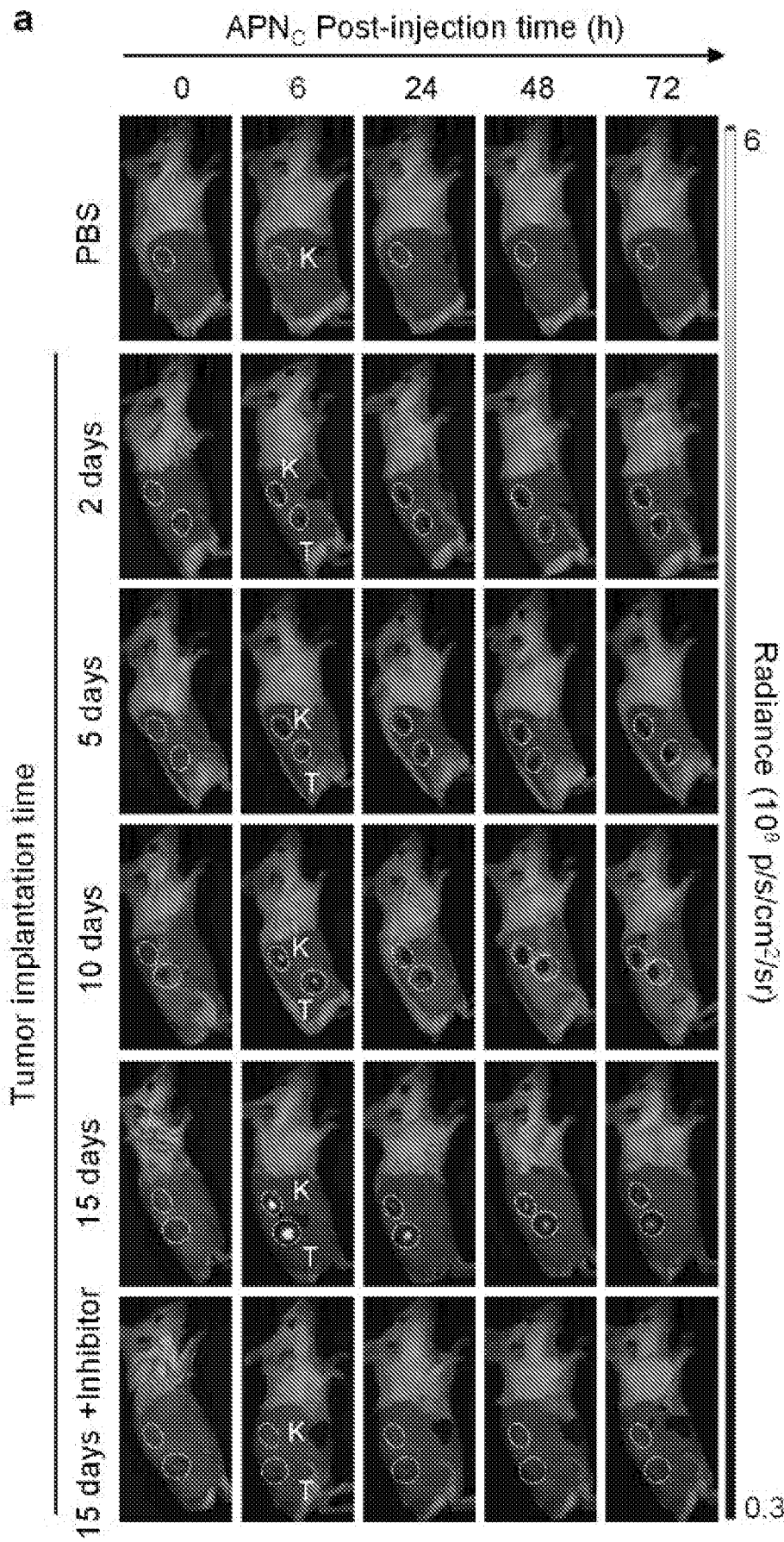


FIG. 15a

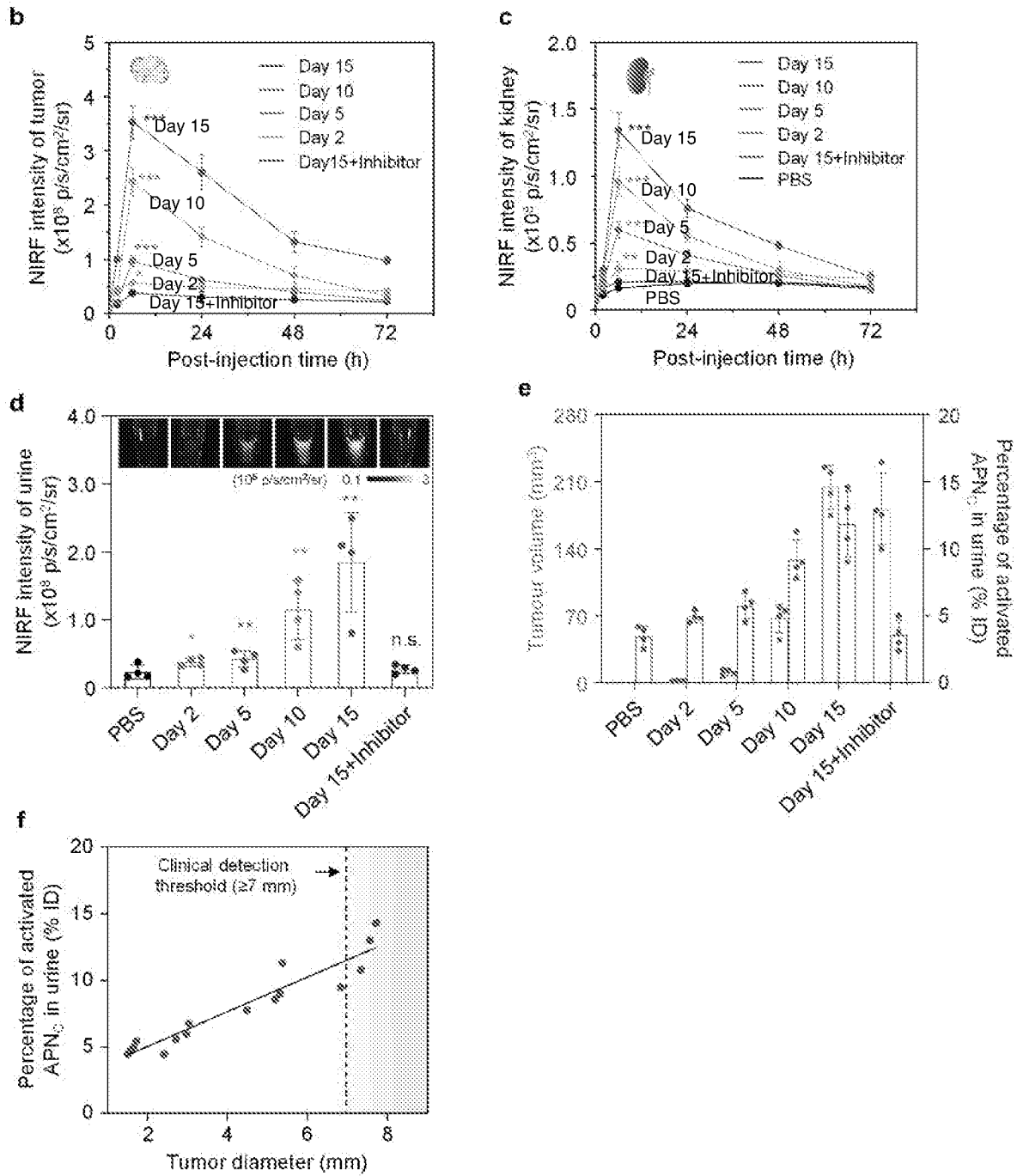


FIG. 15b-f

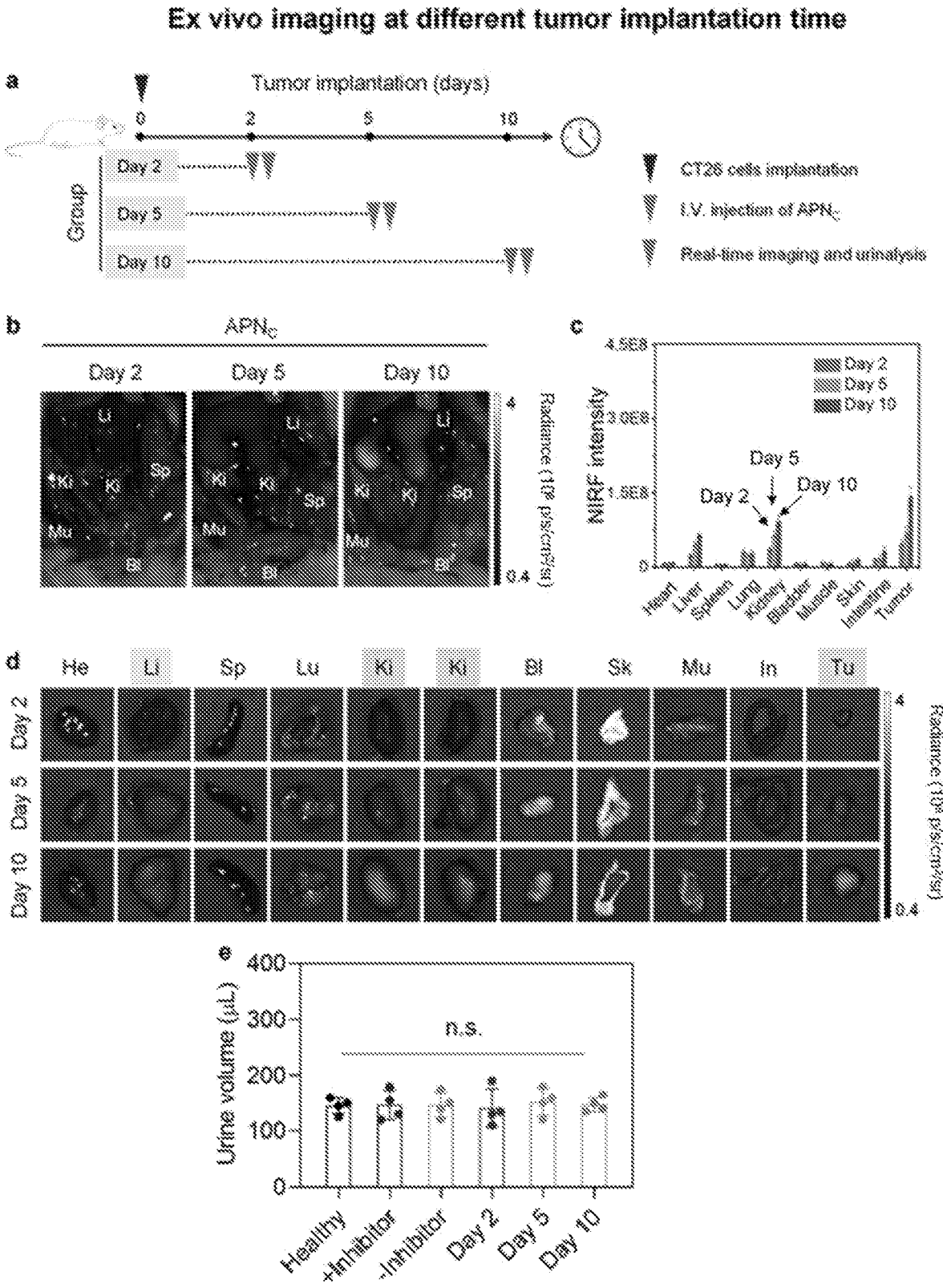


FIG. 16

Development of an orthotopic liver tumor mice model and in vivo NIRF imaging

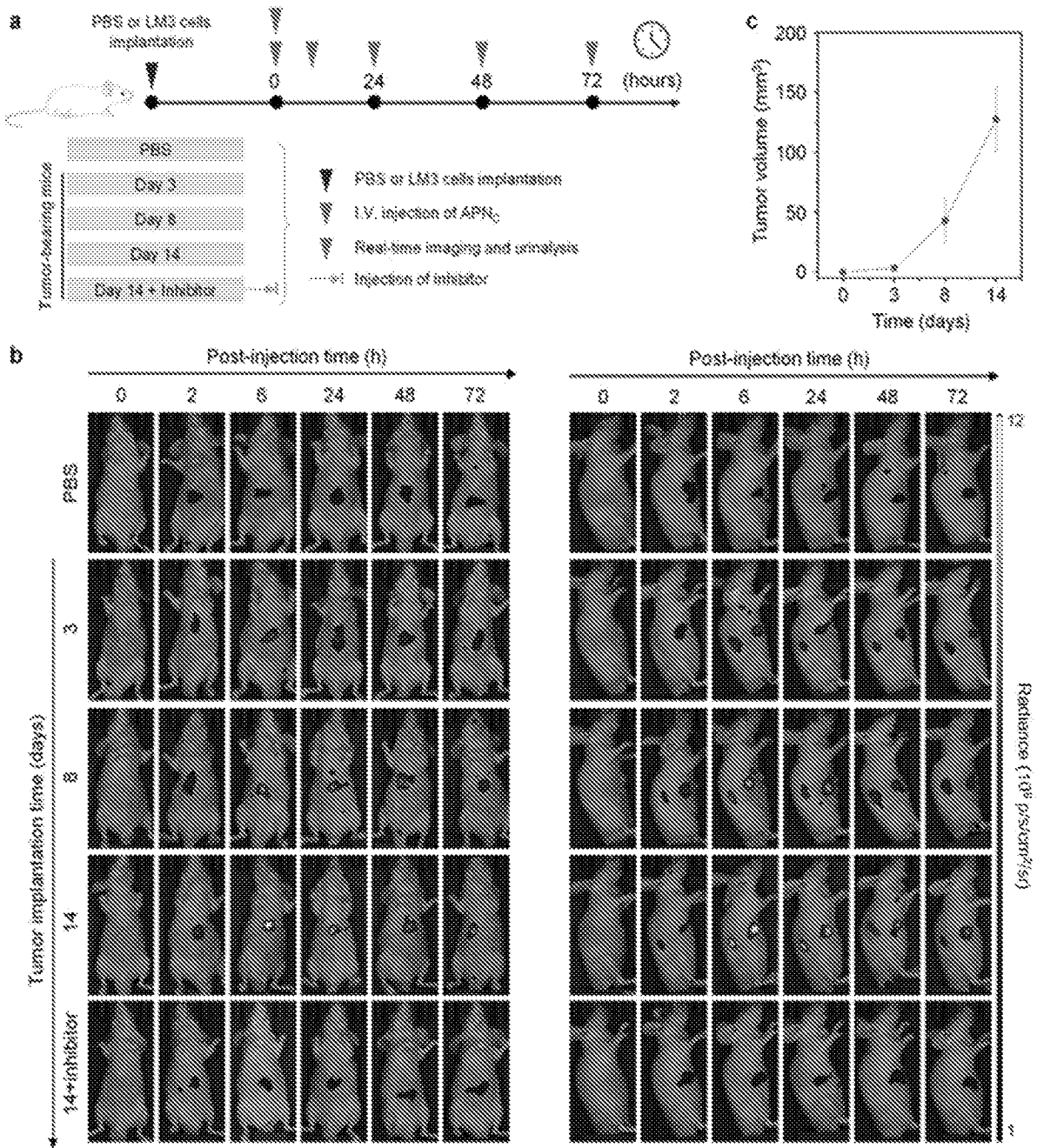
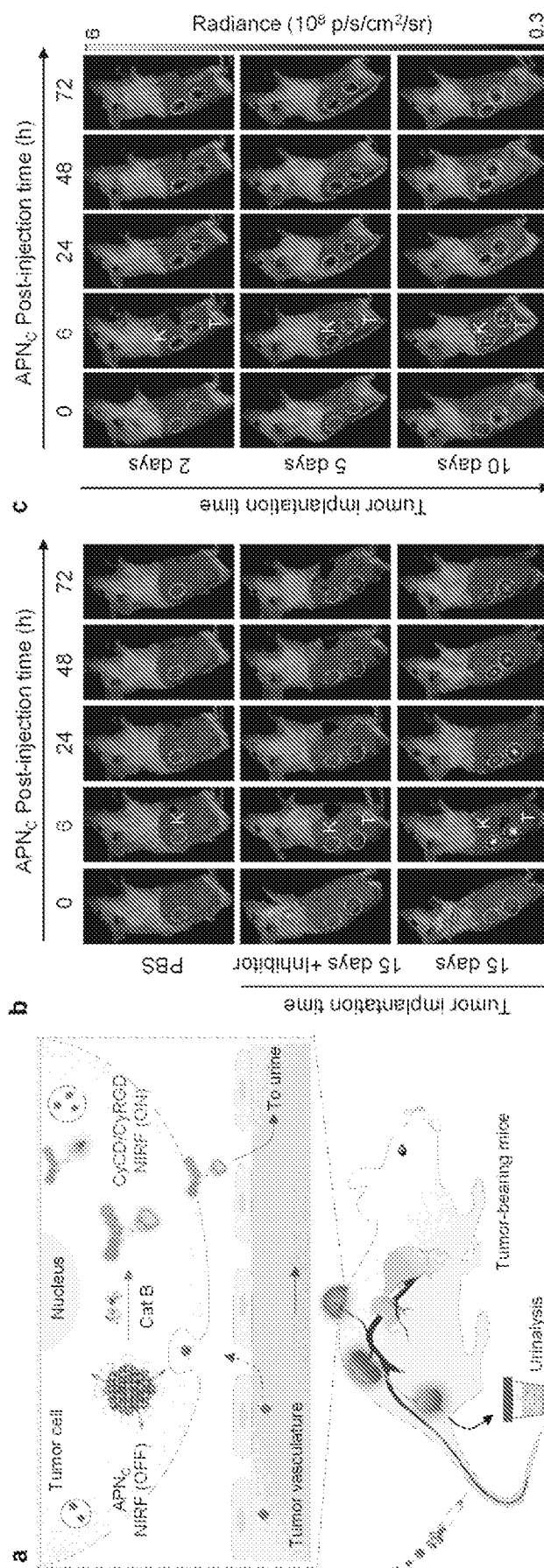


FIG. 17



**FIG. 18a-c**

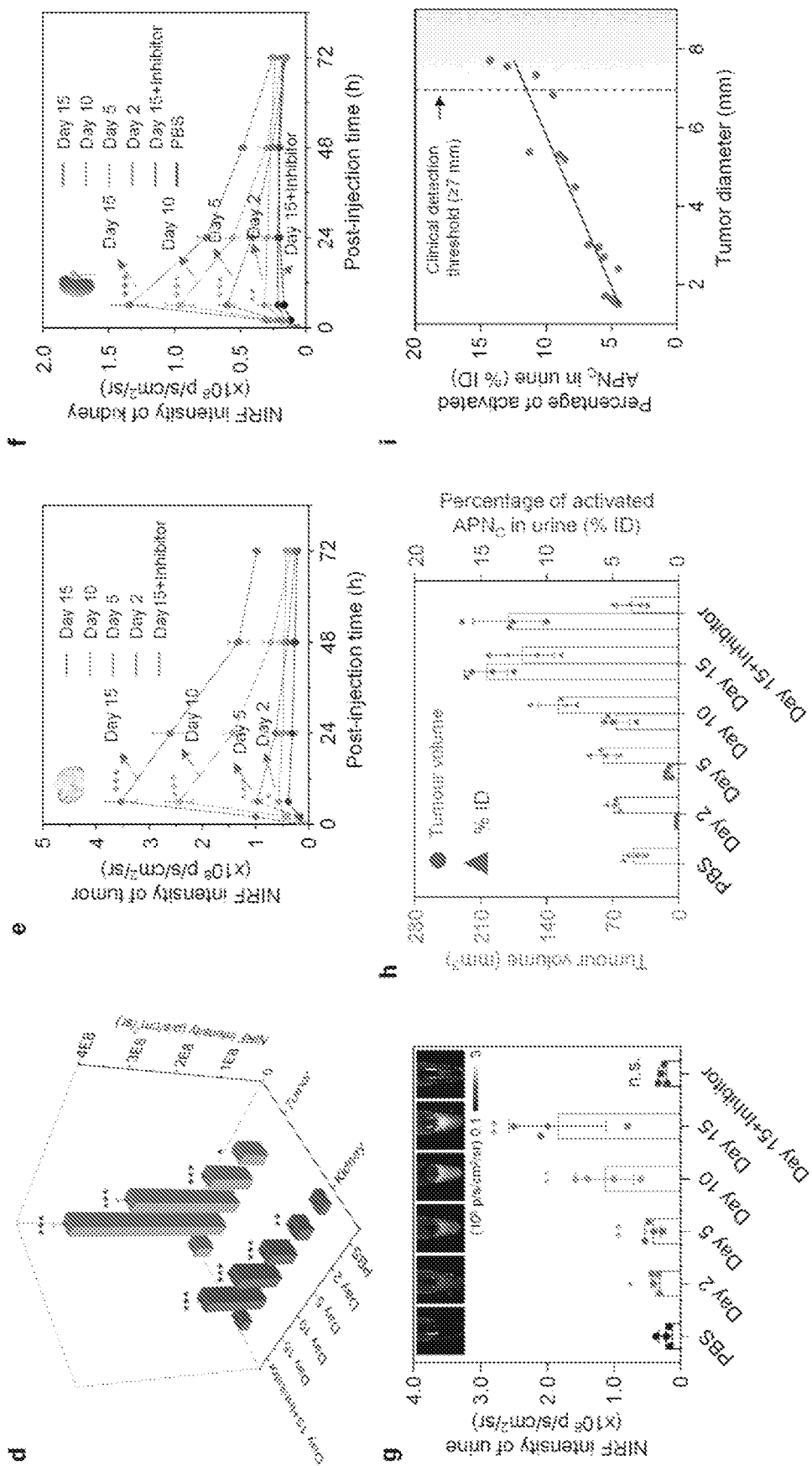


FIG. 18d-i

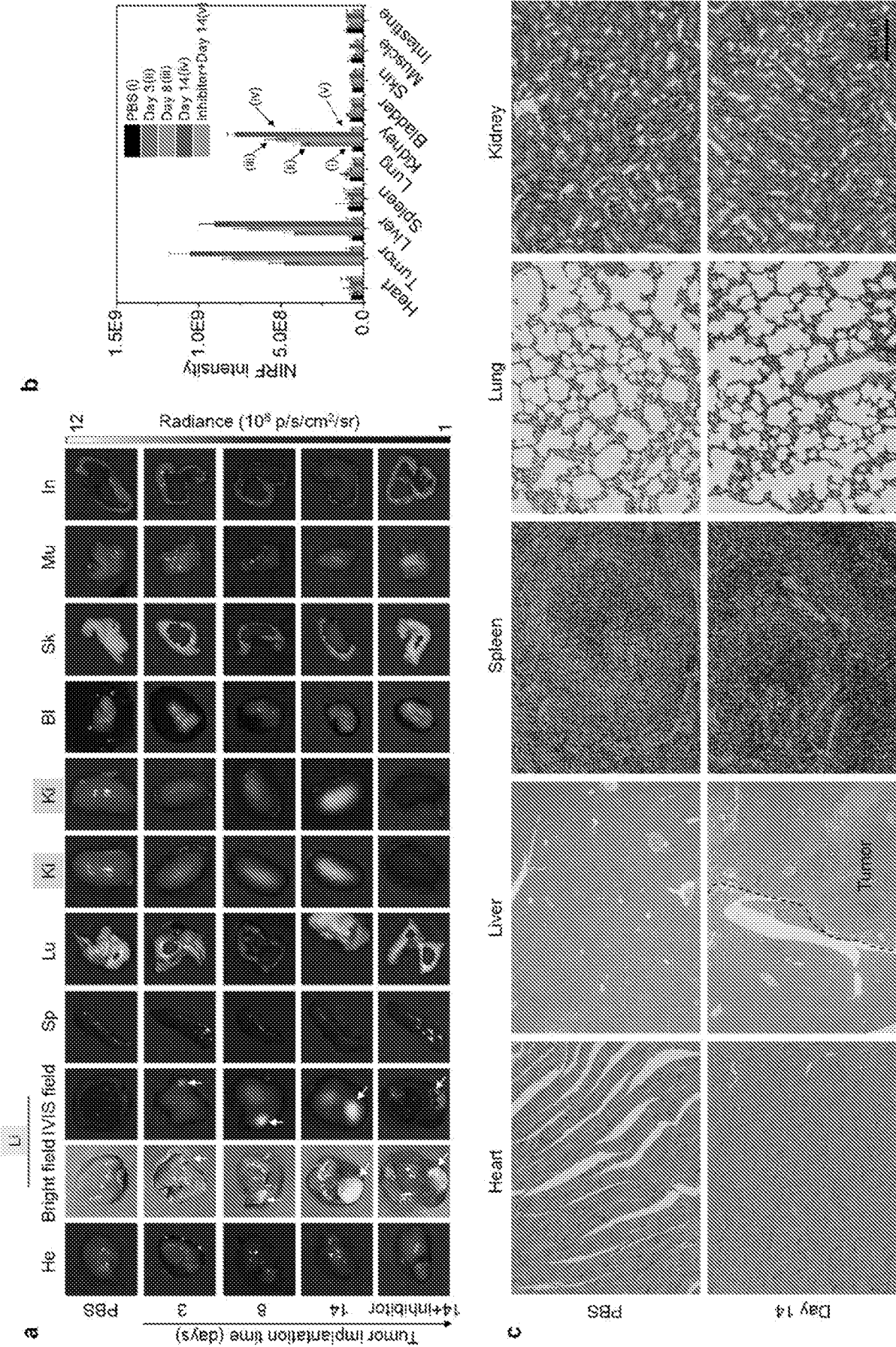
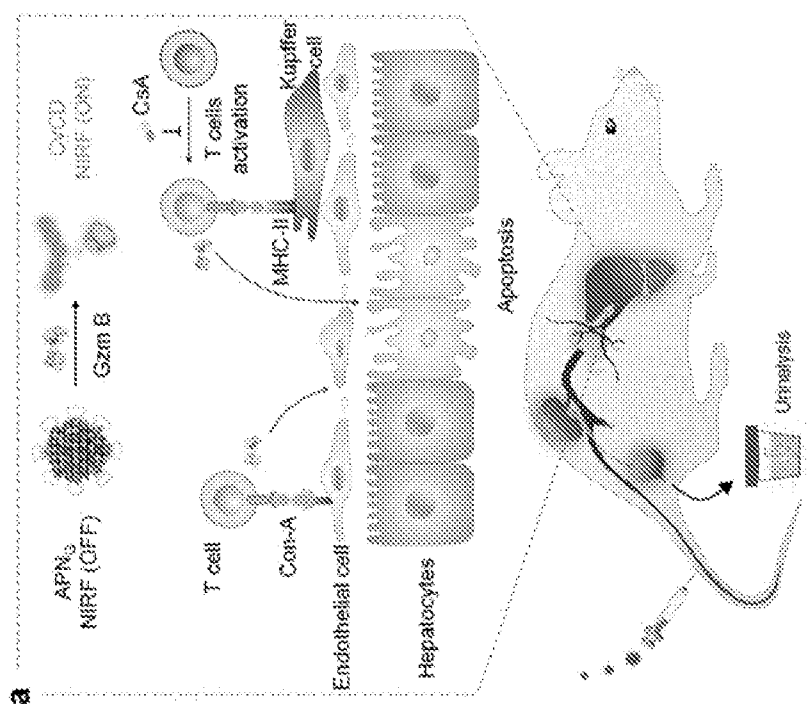
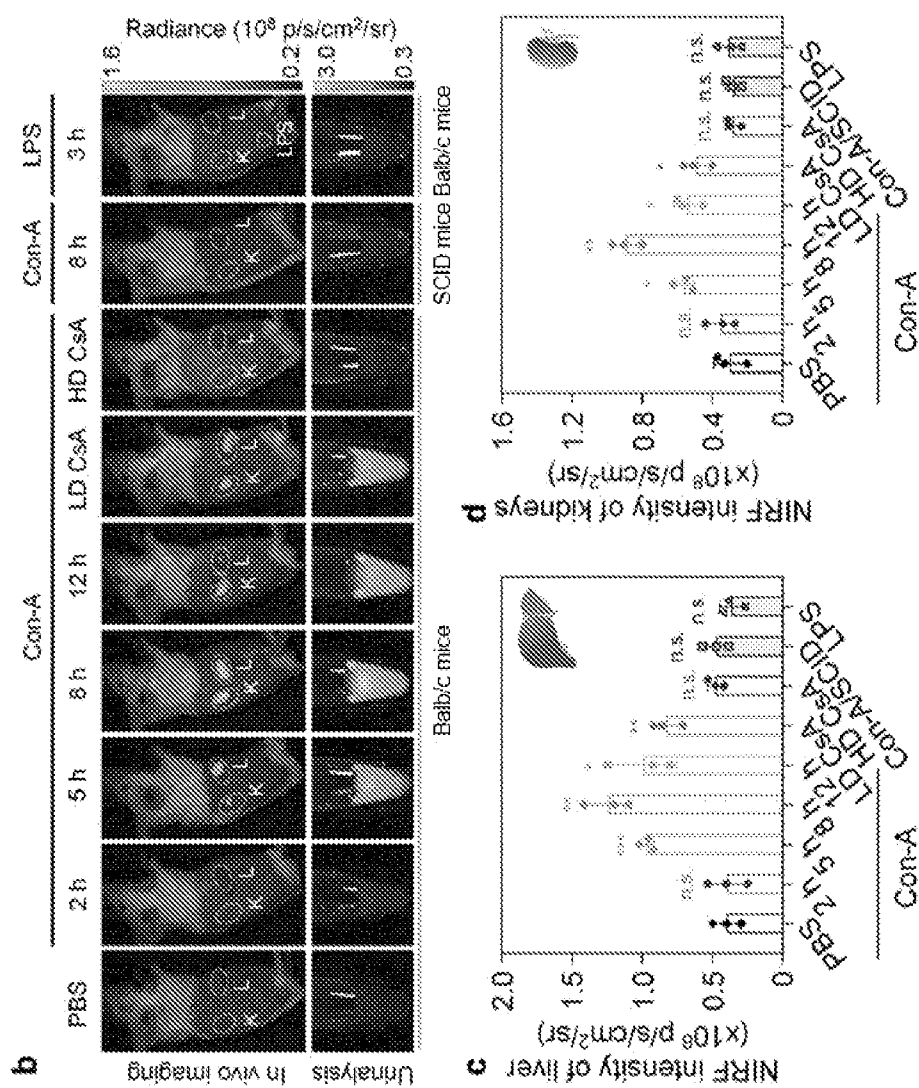


FIG. 19



**FIG. 20a-d**

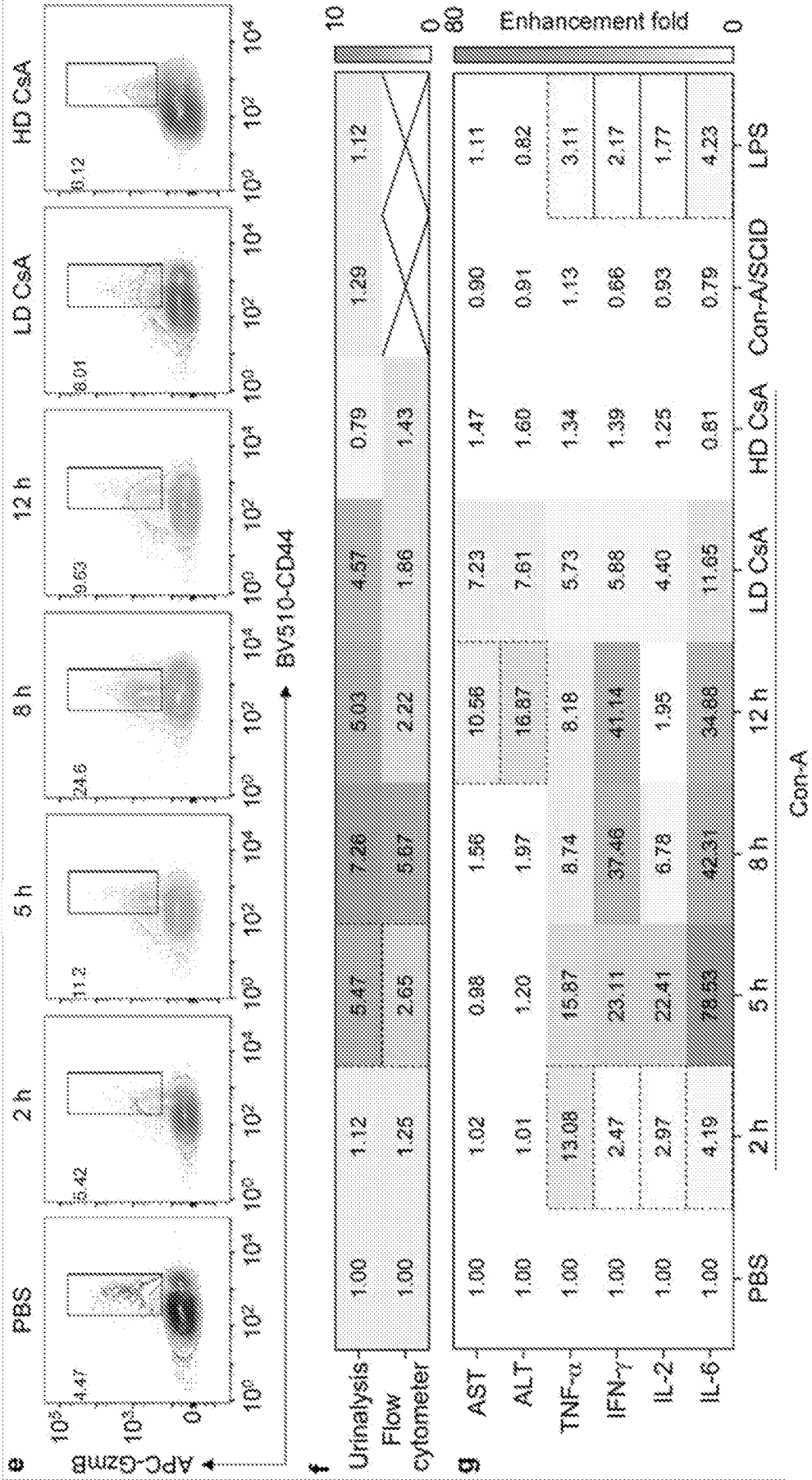


FIG. 20e-g

## Development of immune-mediated hepatitis mouse model and in vivo NIRF imaging

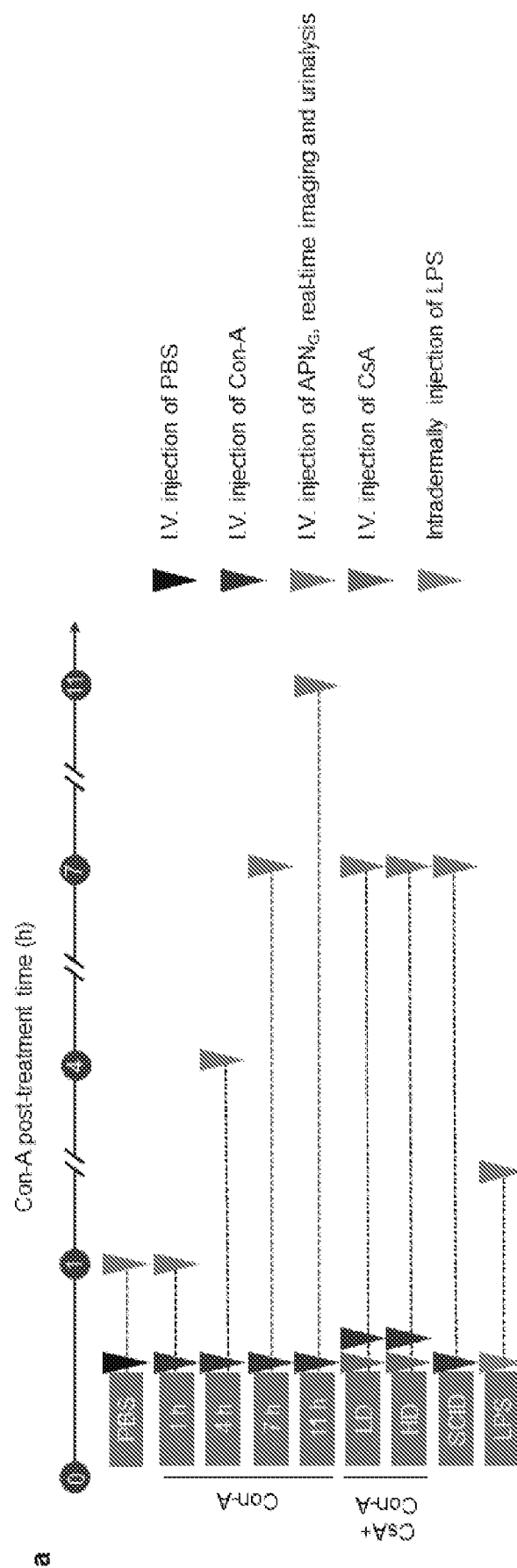


FIG. 21a

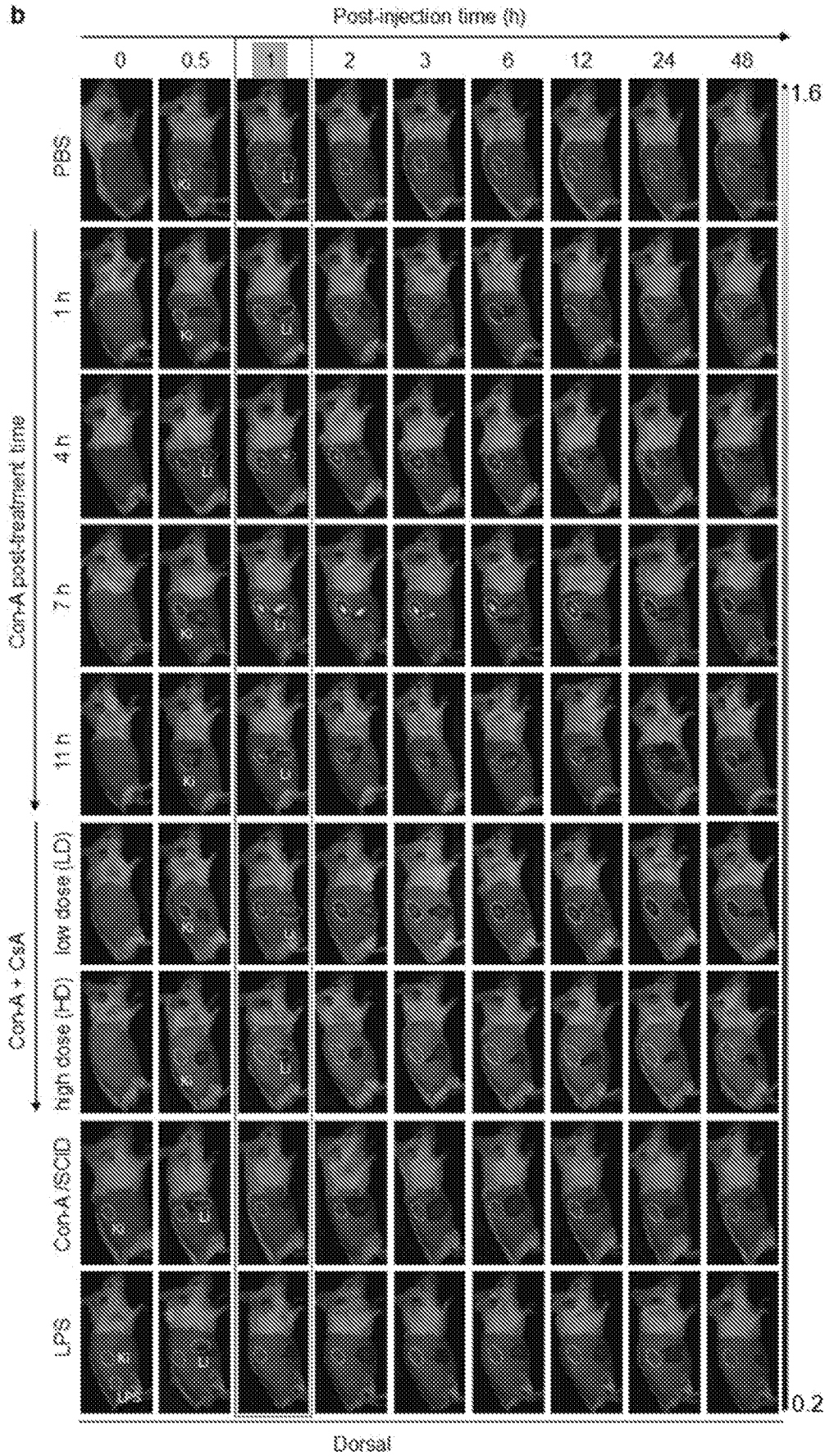


FIG. 21b

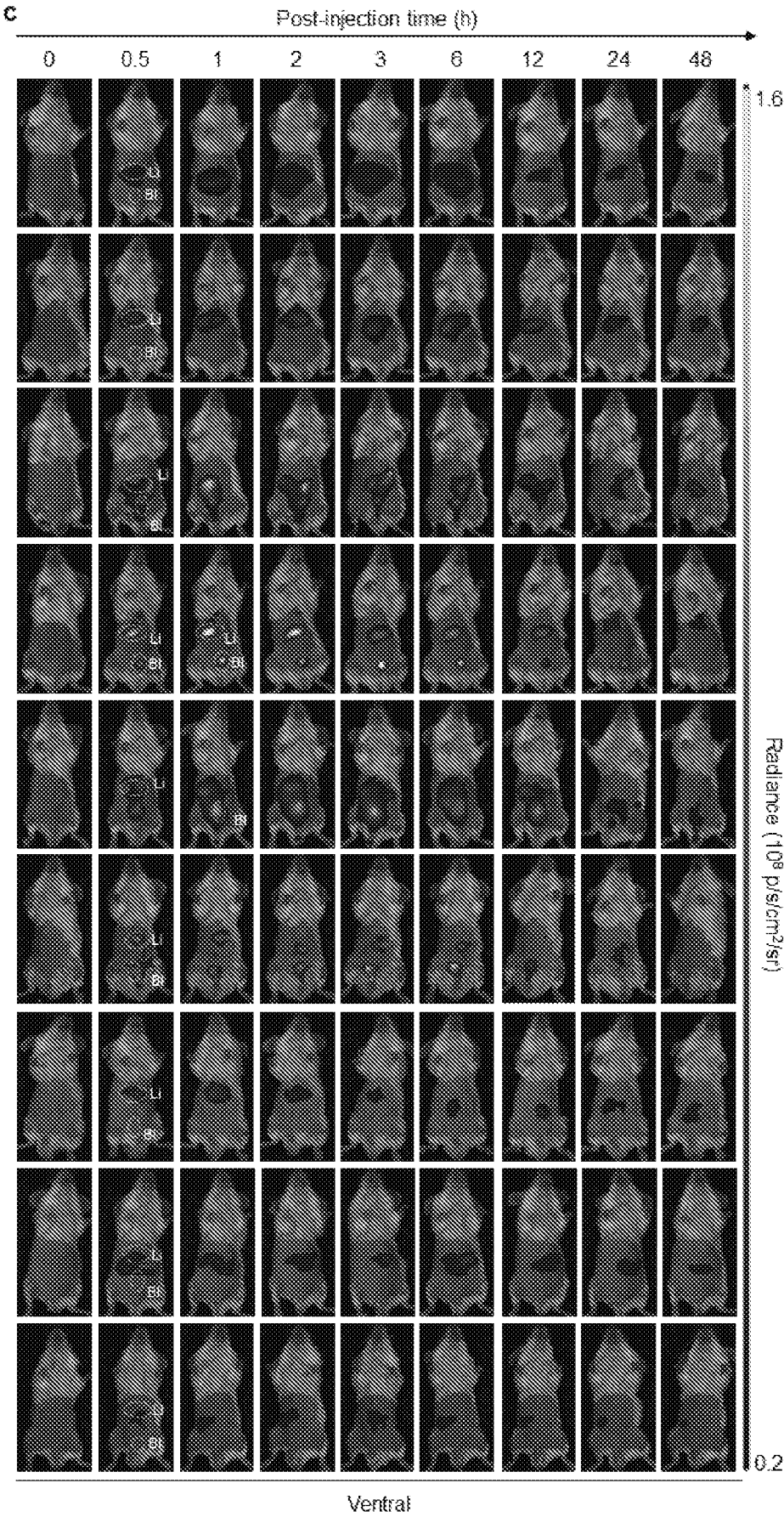


FIG. 21c

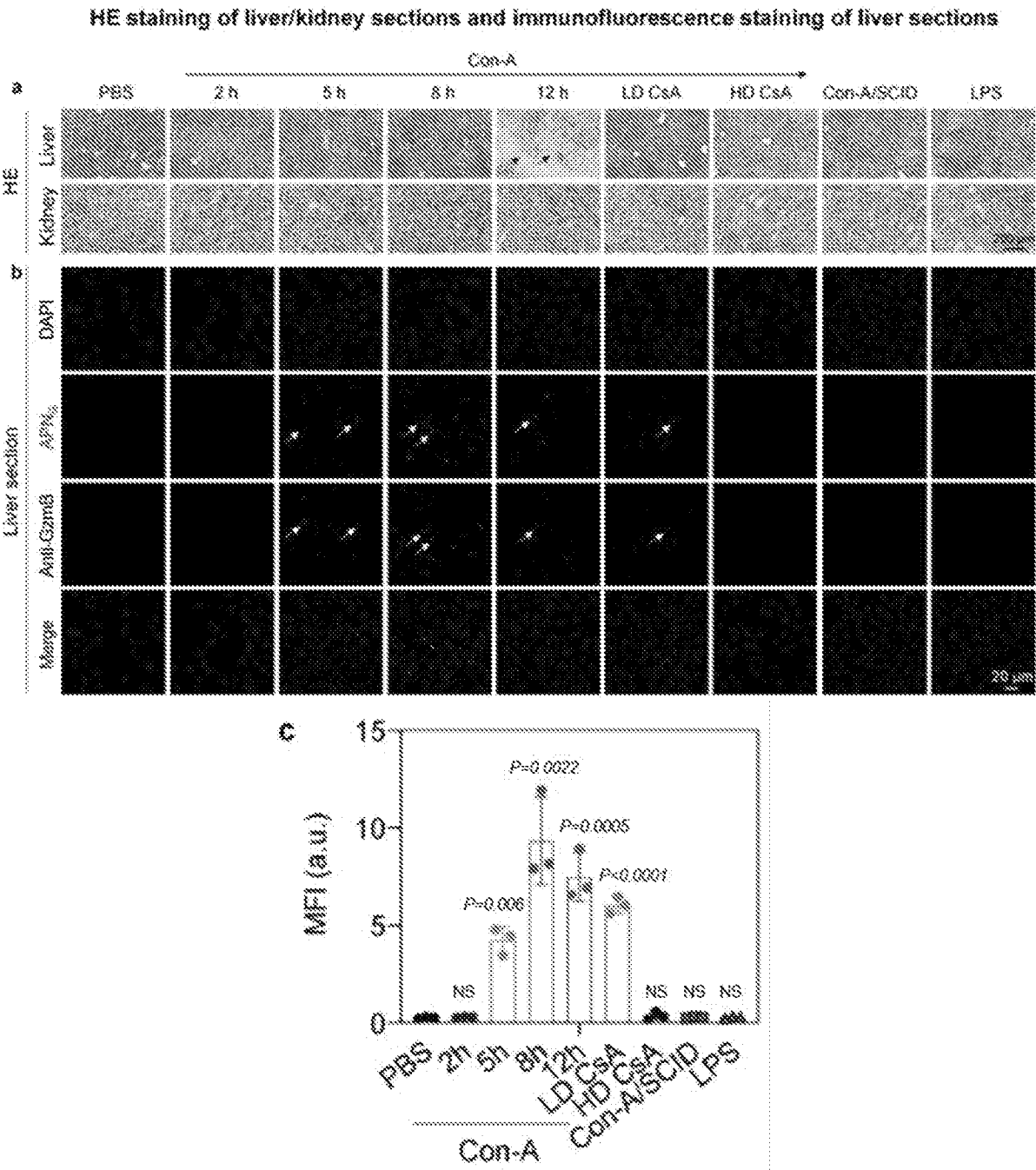


FIG. 22

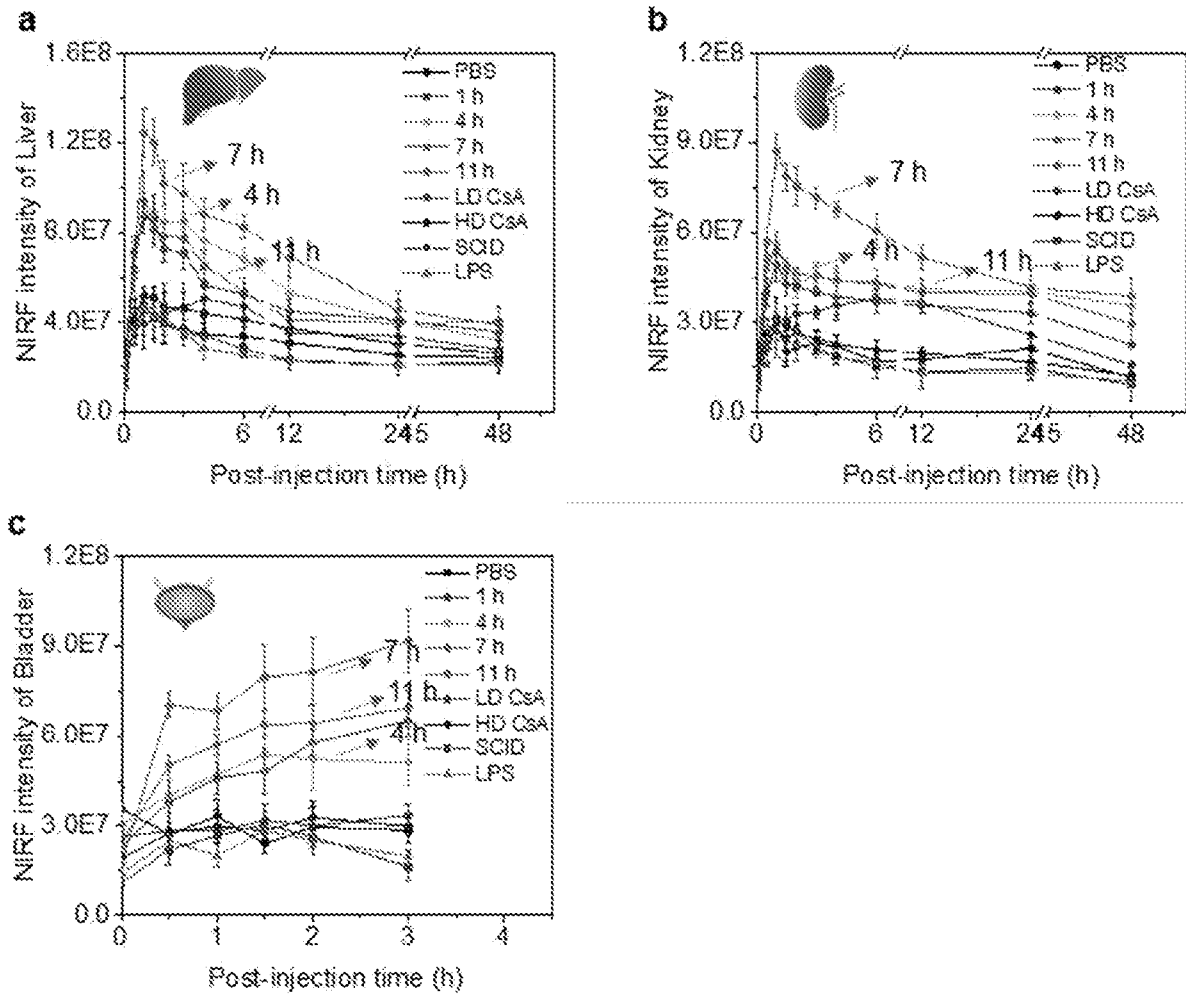


FIG. 23

Ex vivo imaging and quantification

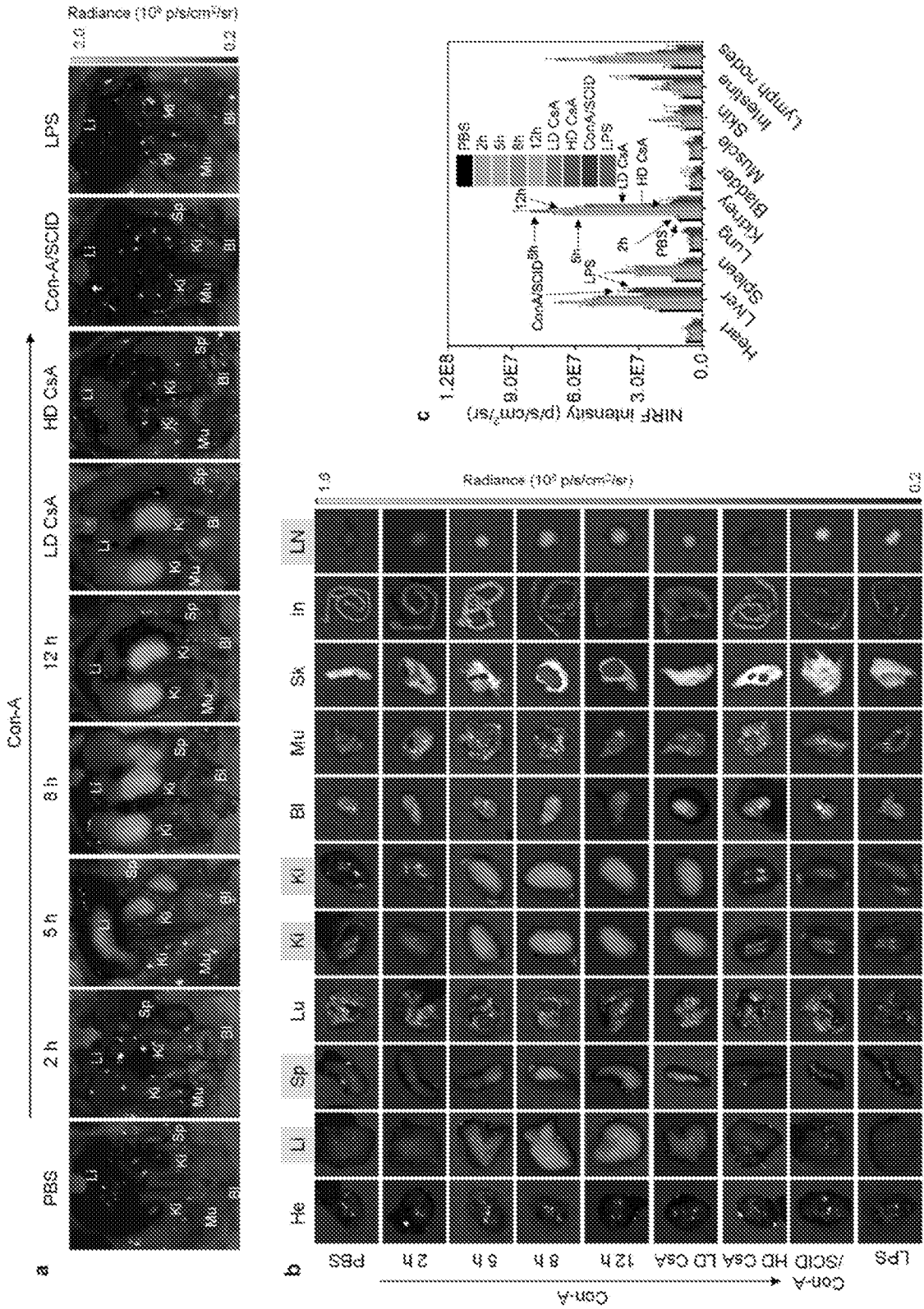


FIG. 24

Quantification of activated APN<sub>G</sub> and measurement of spectra in urine

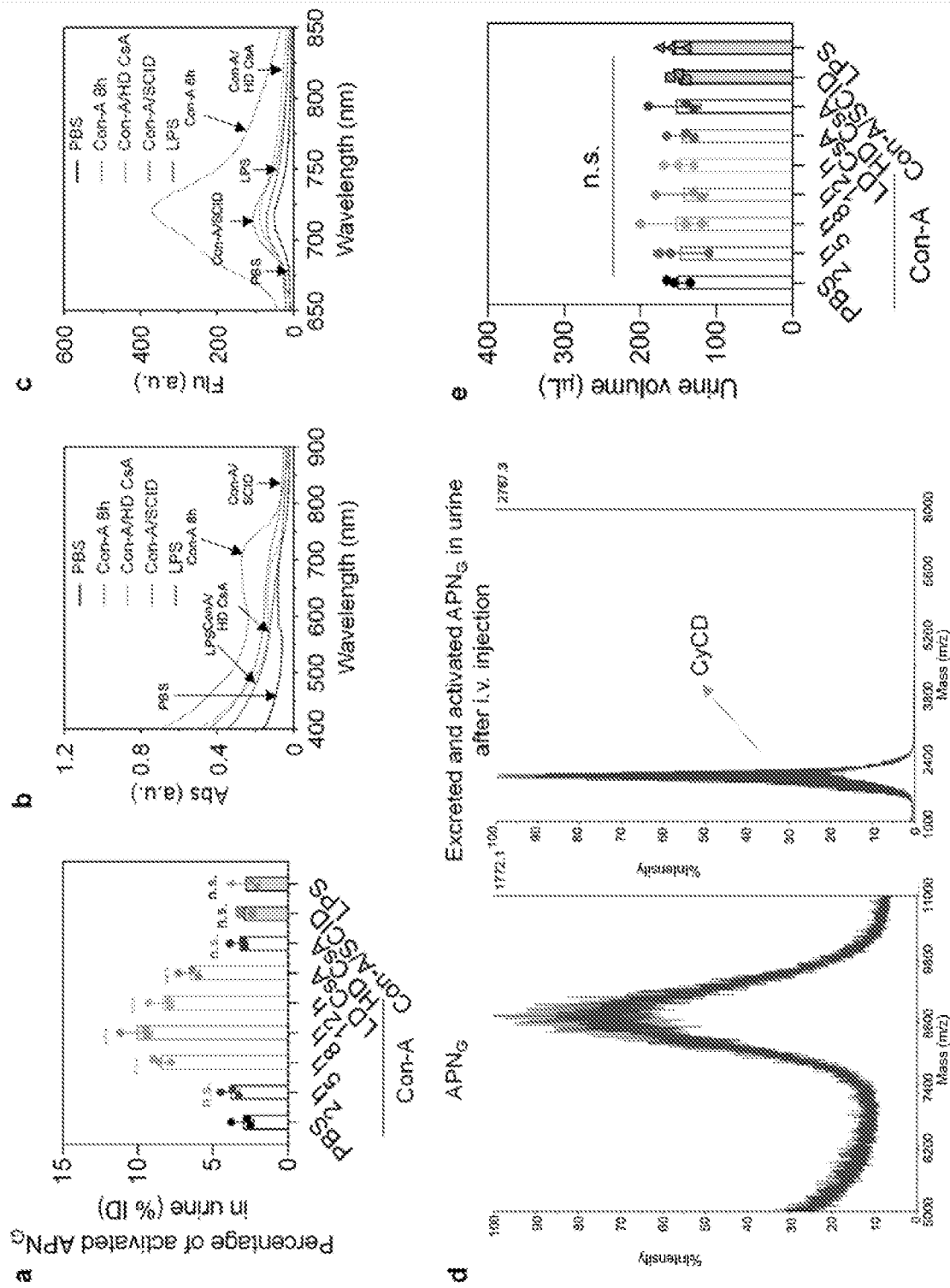
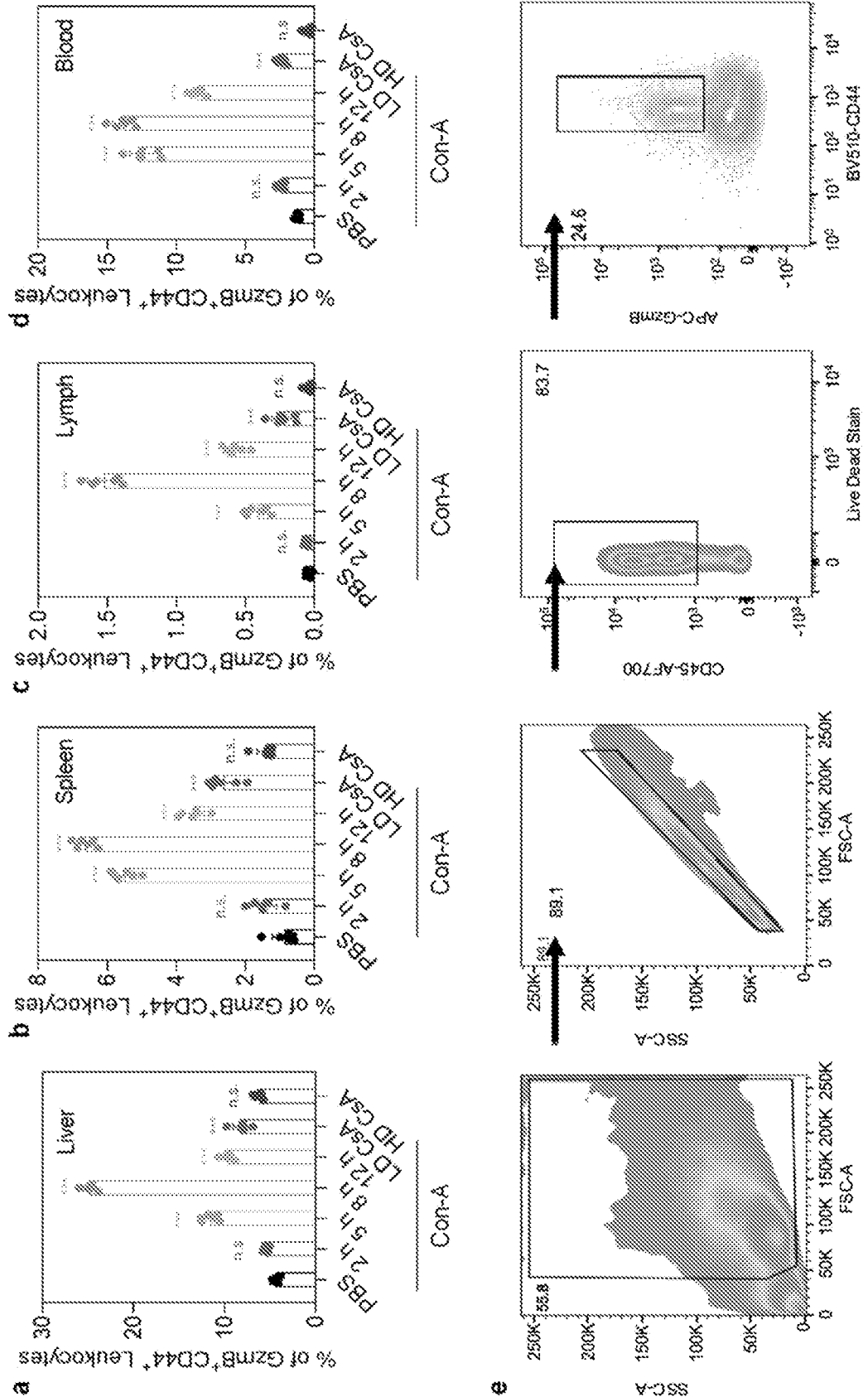


FIG. 25

Flow cytometric analysis



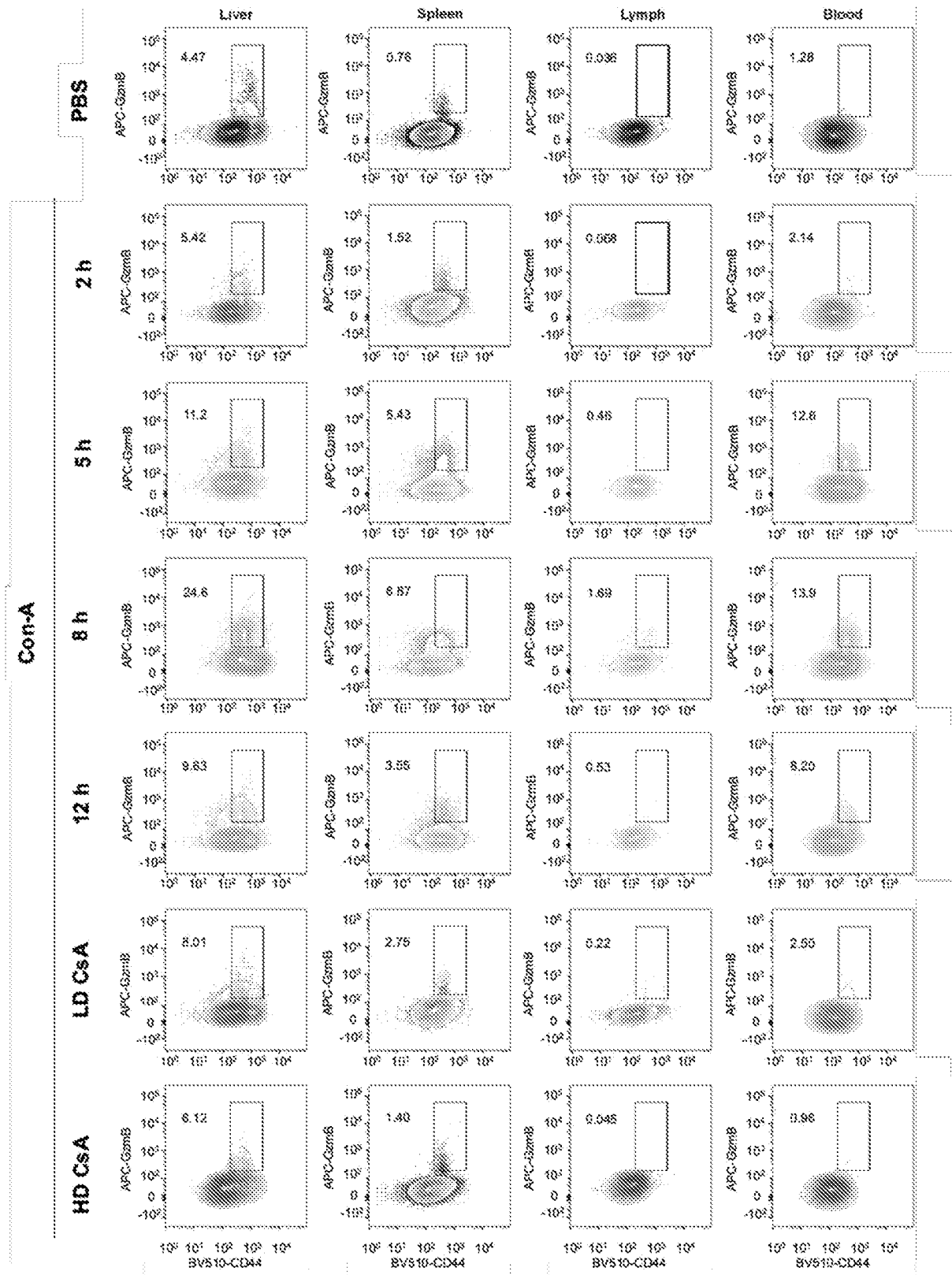


FIG. 27

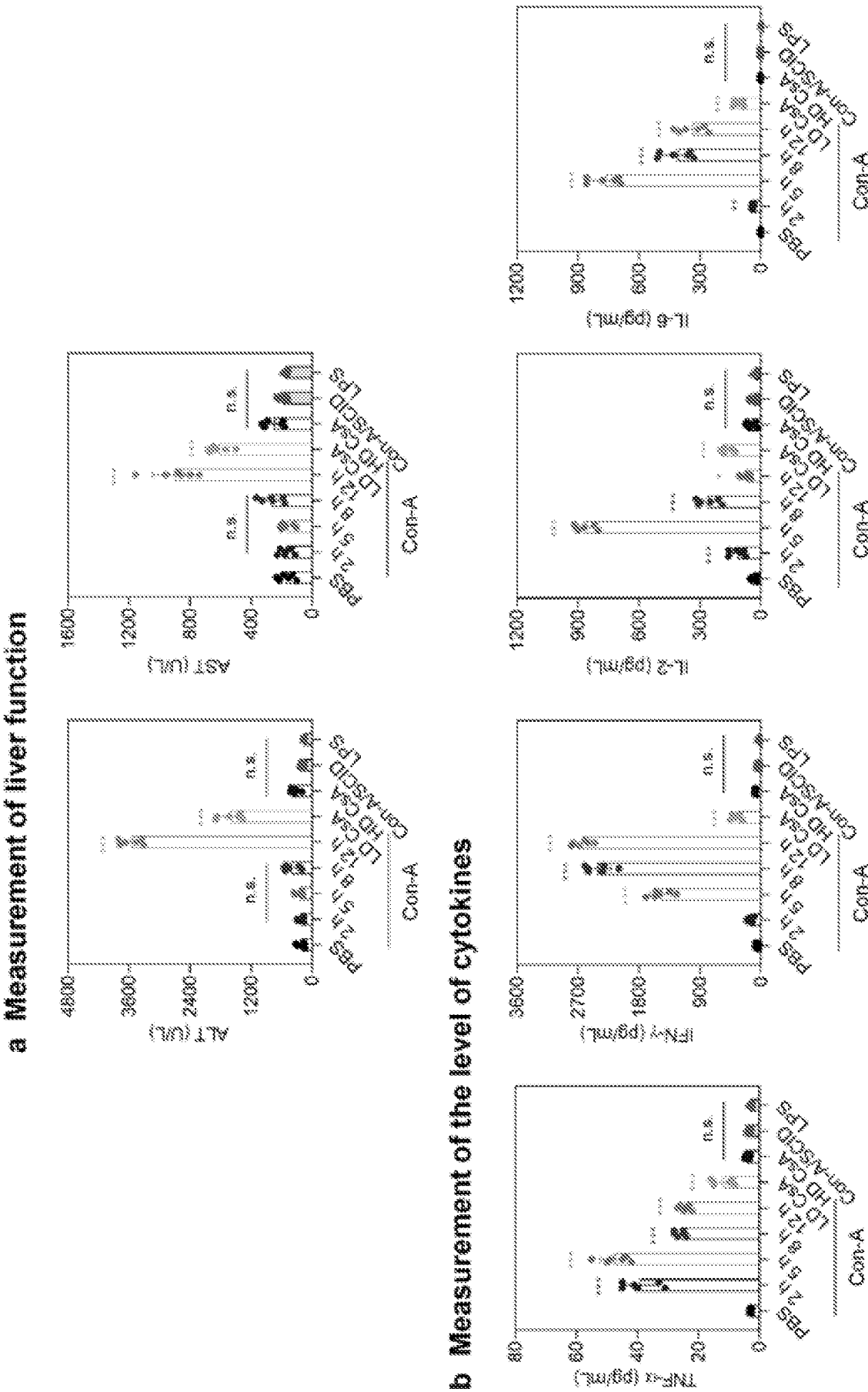


FIG. 28

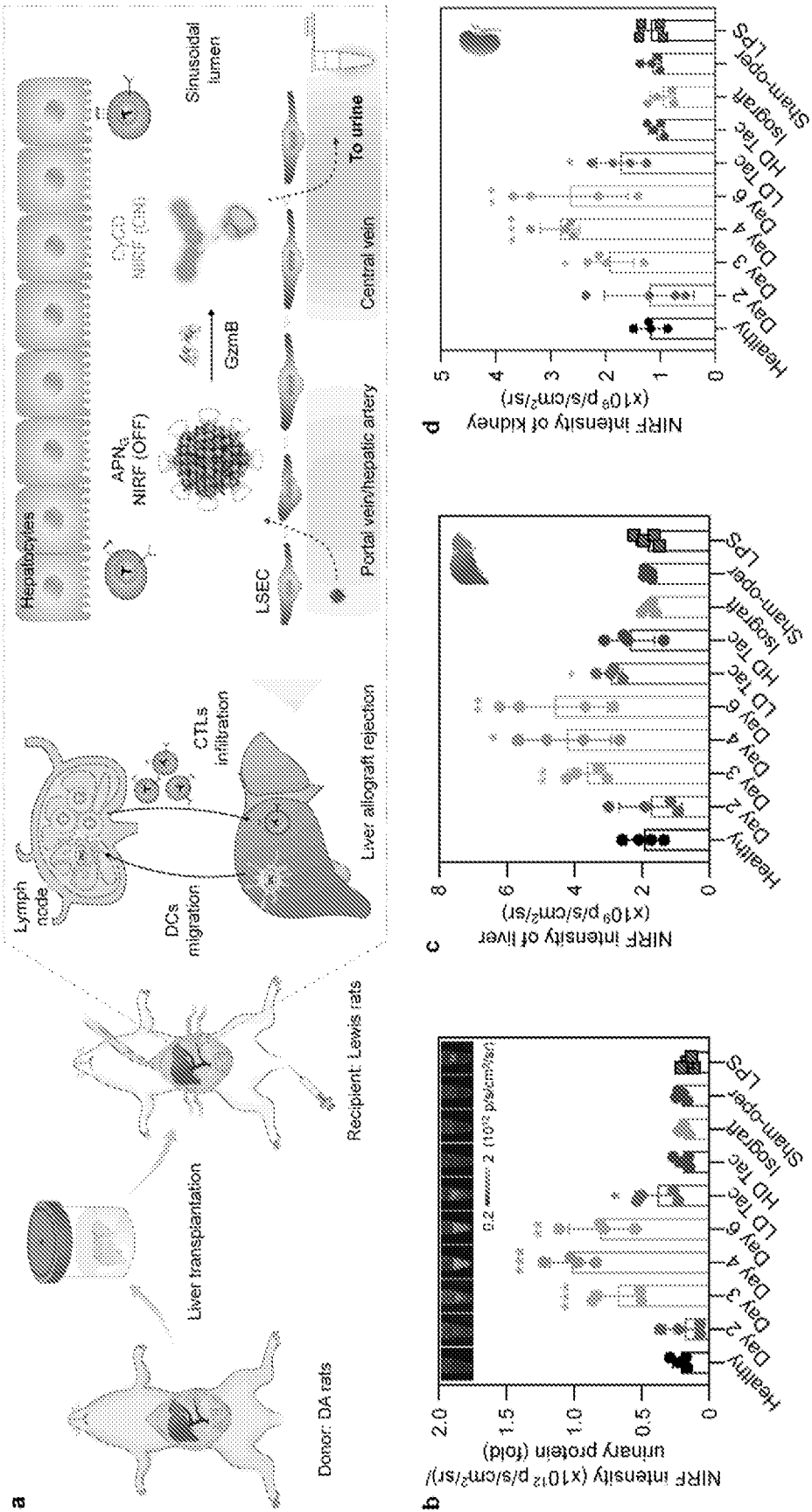


FIG. 29a-d

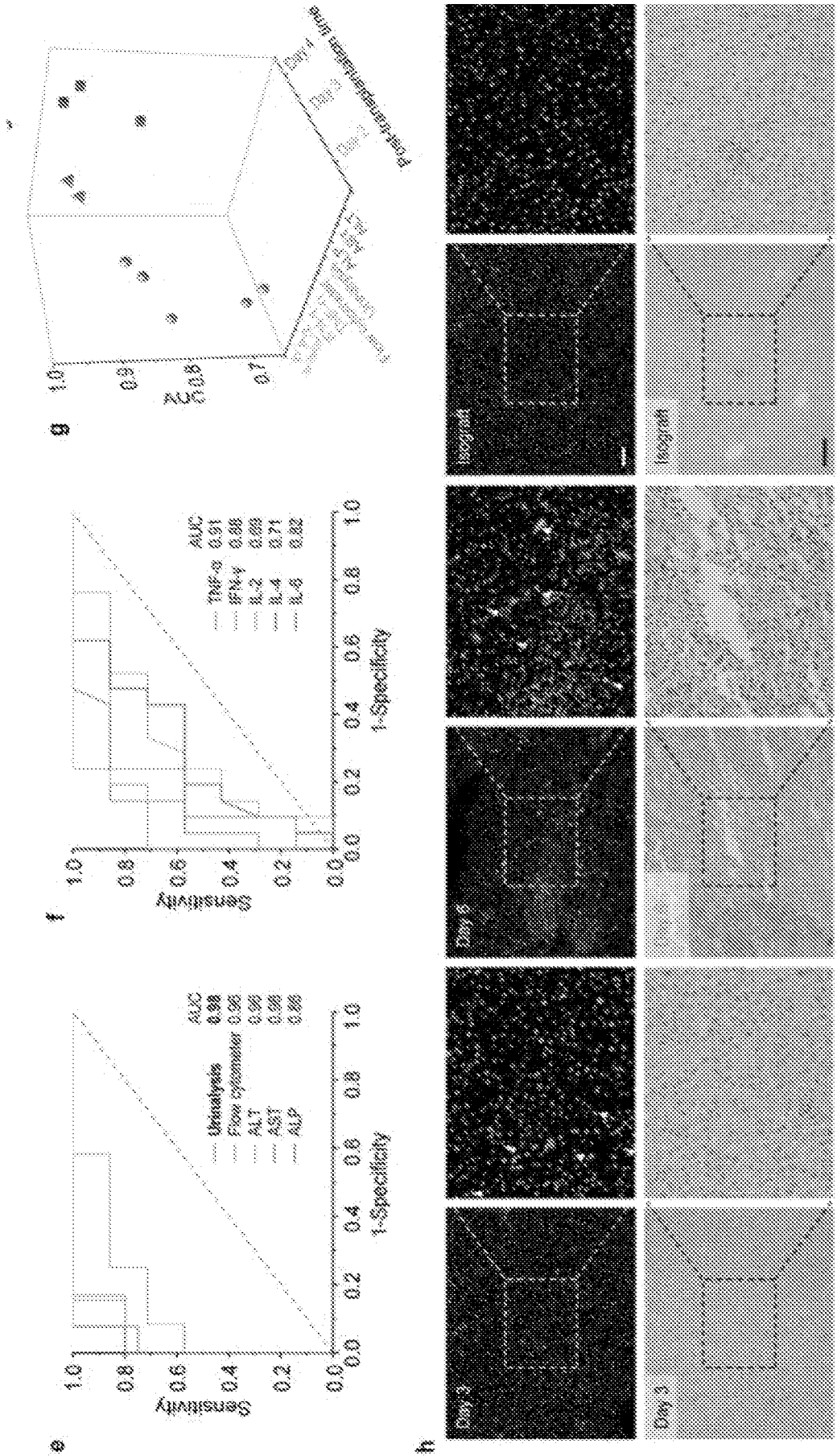
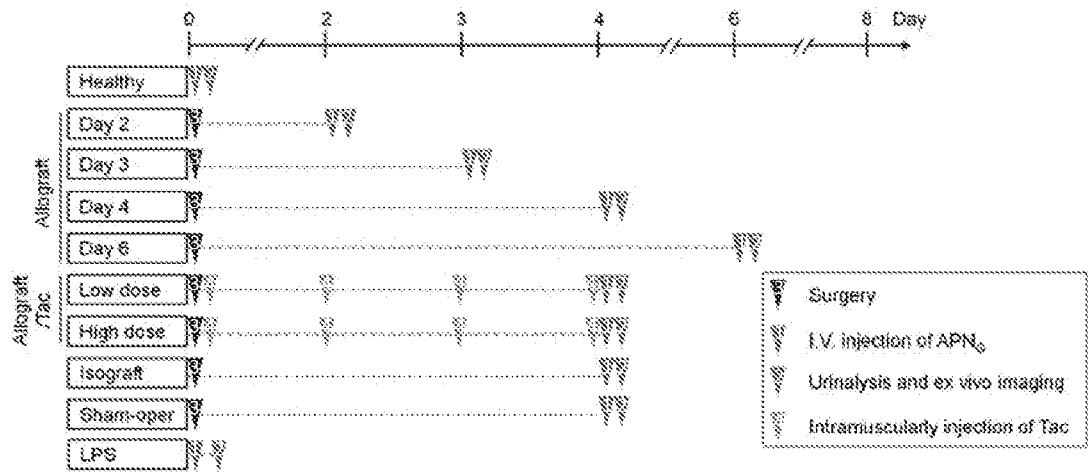
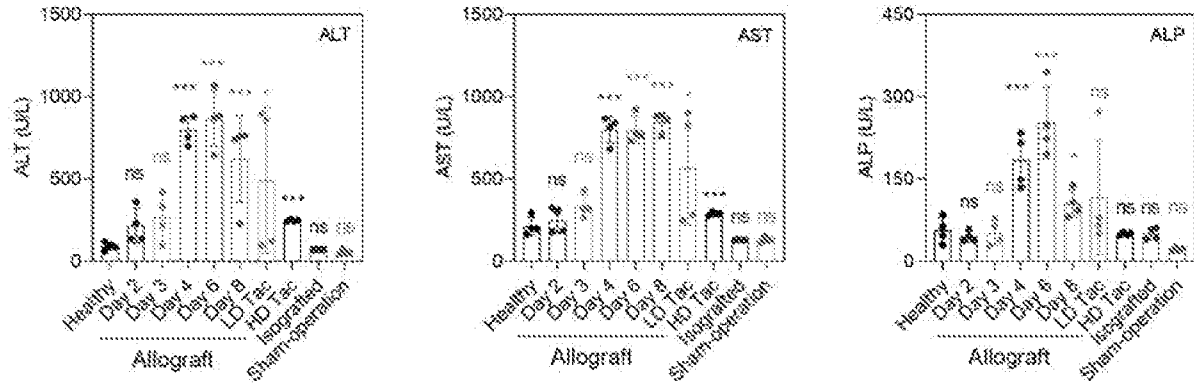


FIG. 29e-h

a Development of liver allograft rejection rat model



b Measurement of liver function



c Measurement of kidney function

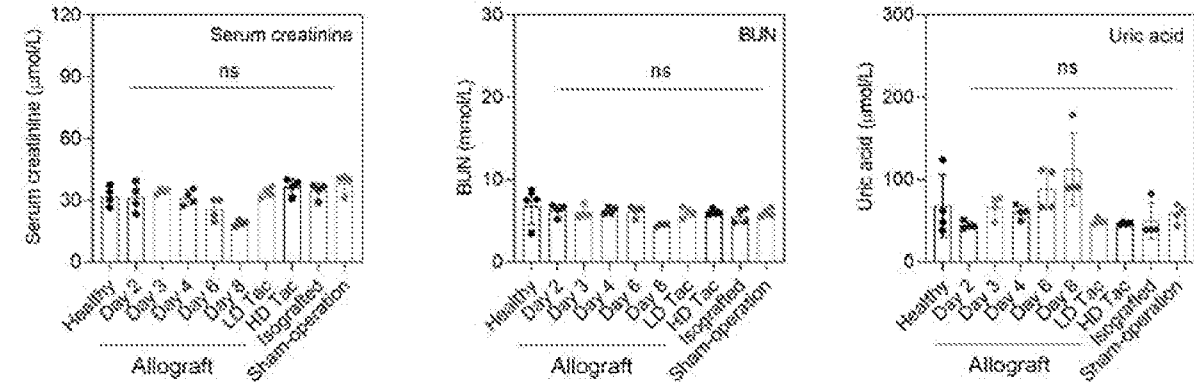


FIG. 30

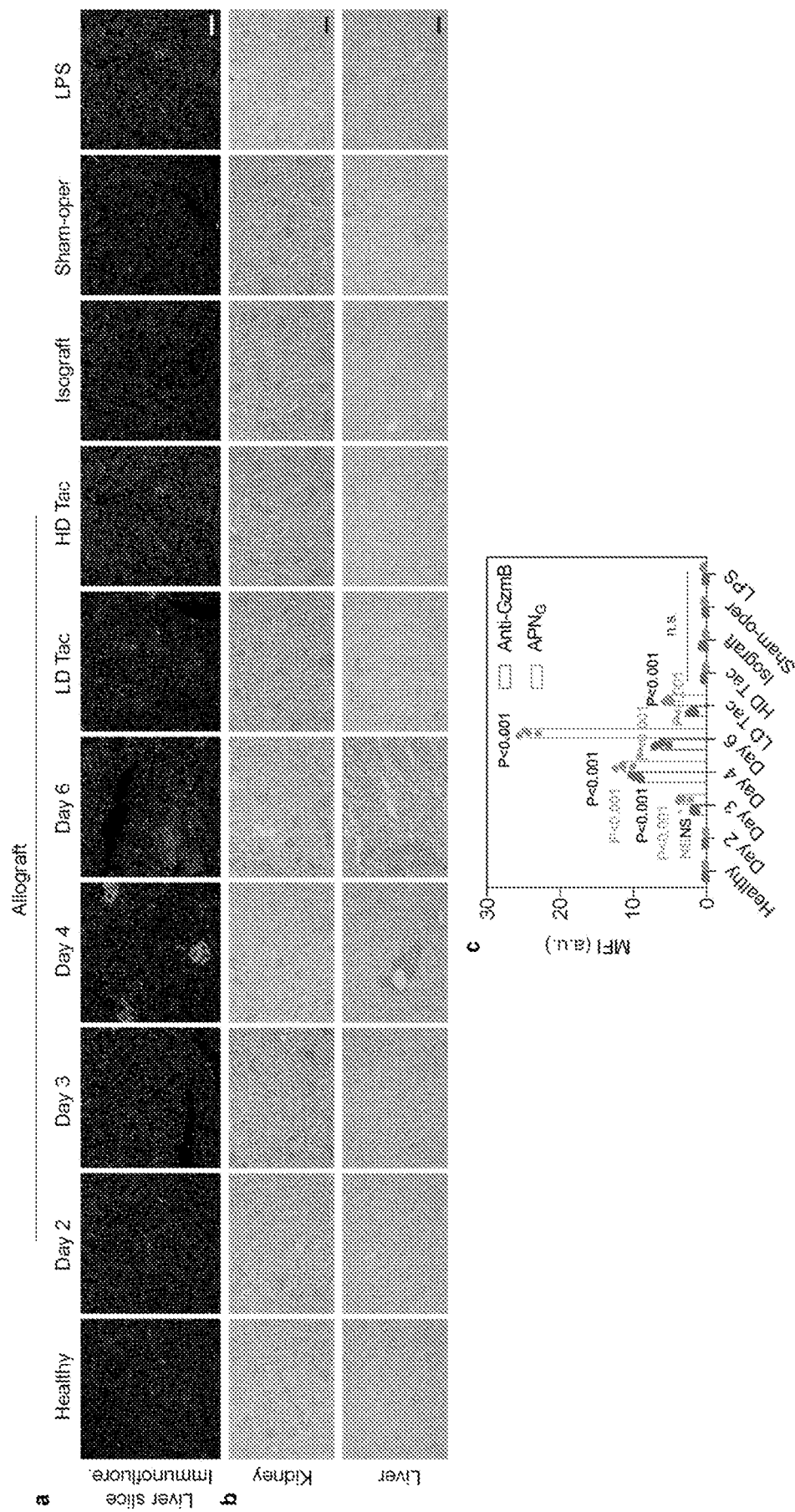


FIG. 31

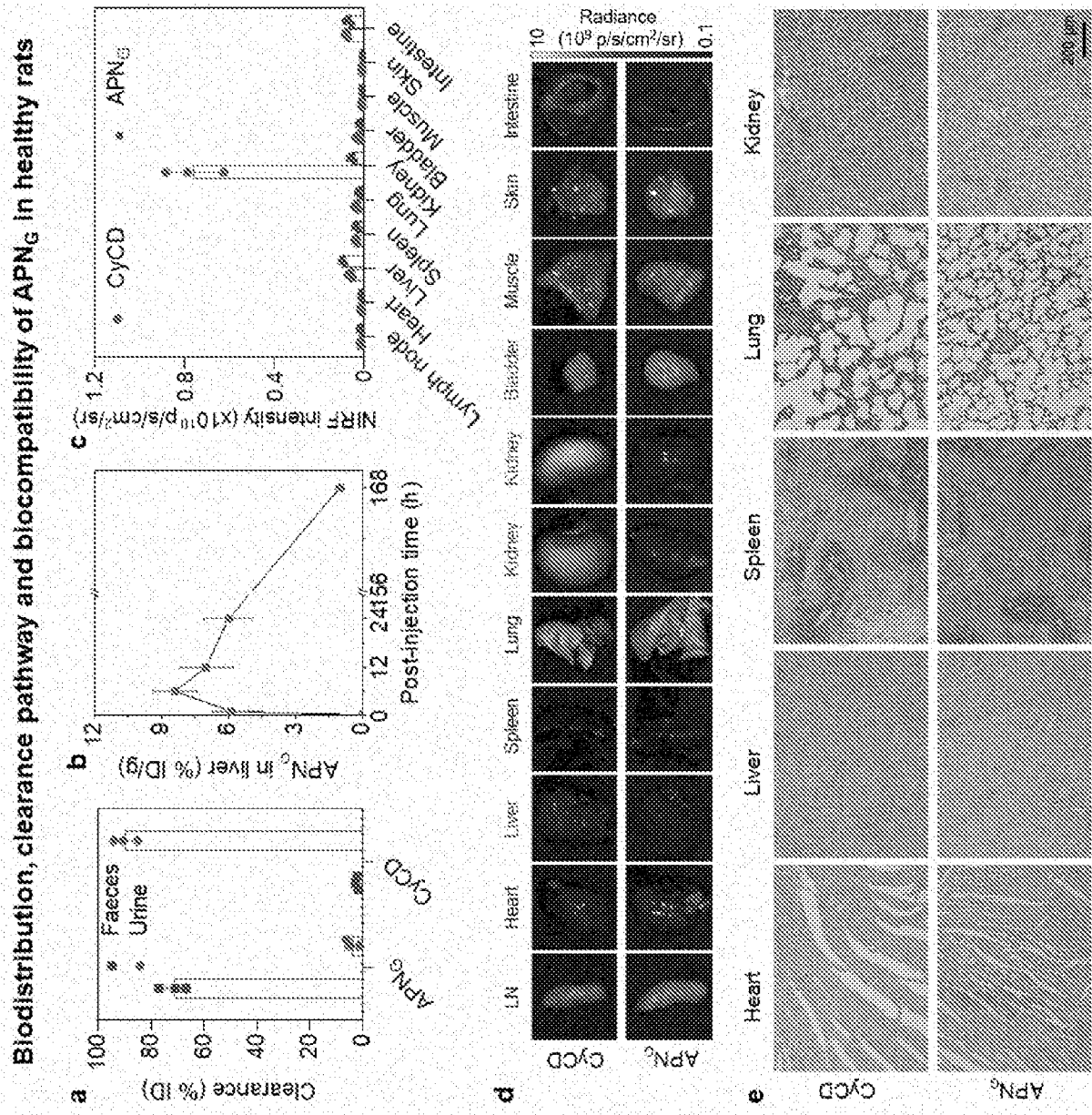


FIG. 32

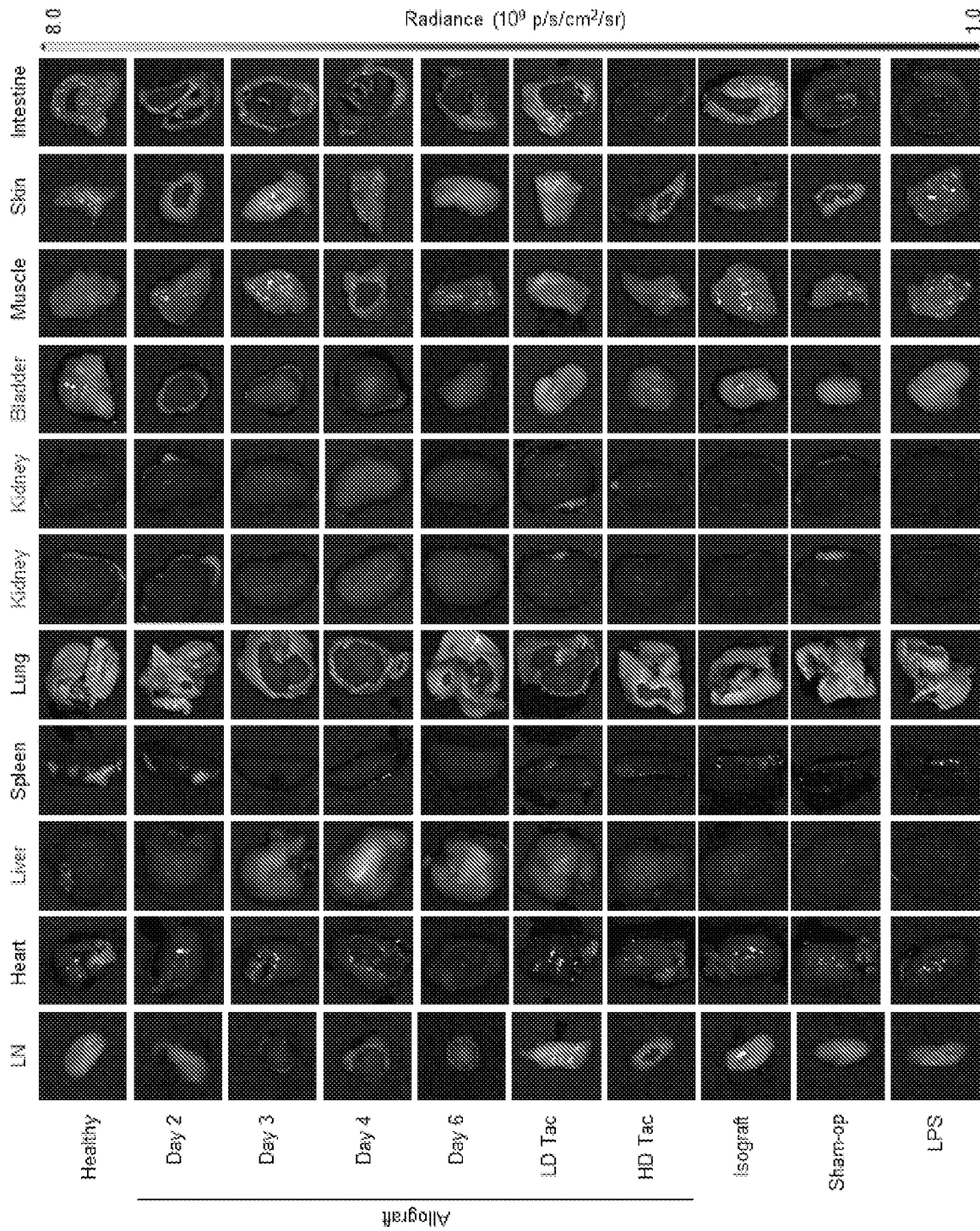


FIG. 33

Quantification of activated APN<sub>G</sub> and measurement of spectra in urine

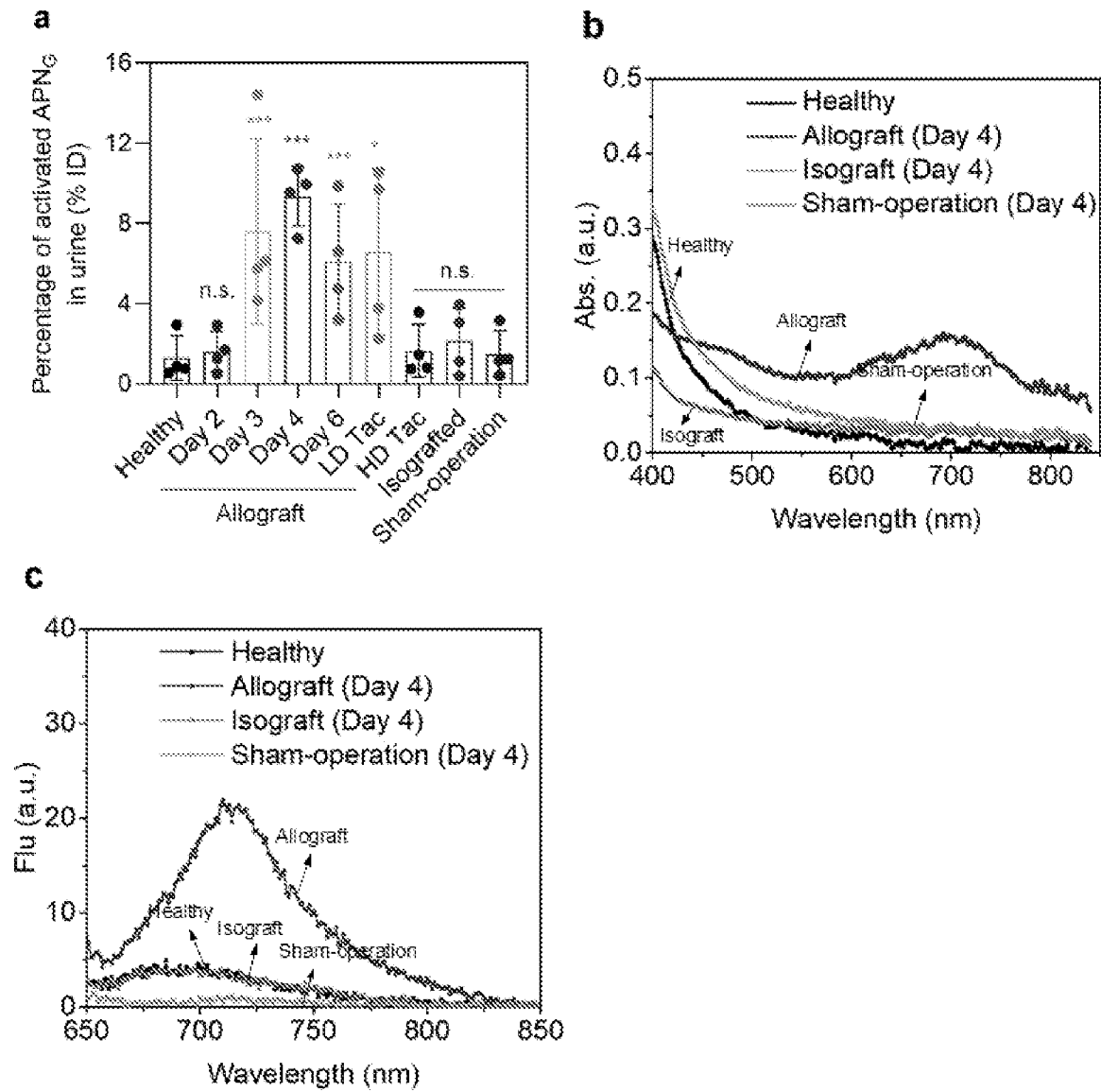


FIG. 34

Flow cytometric analysis

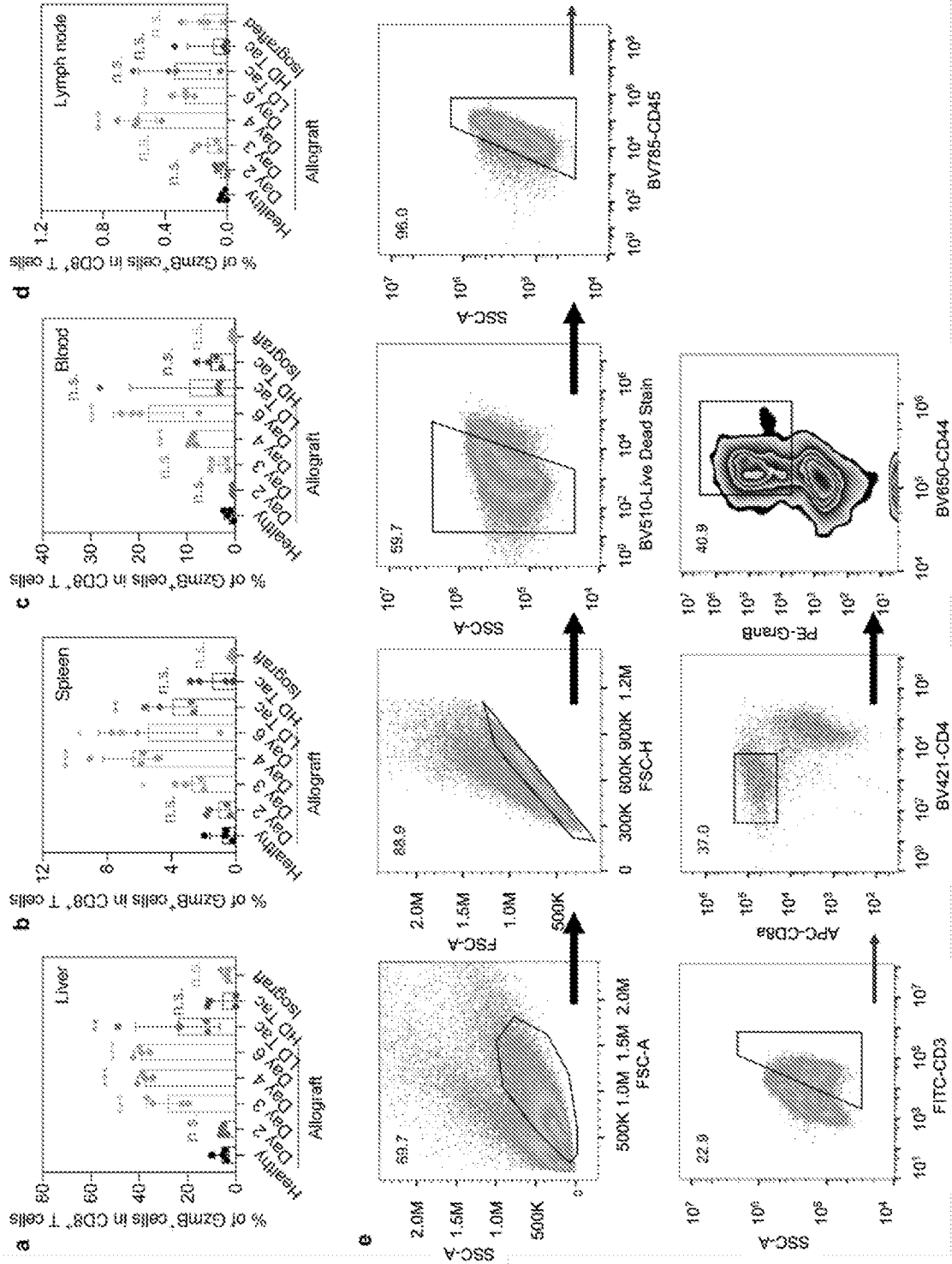


FIG. 35

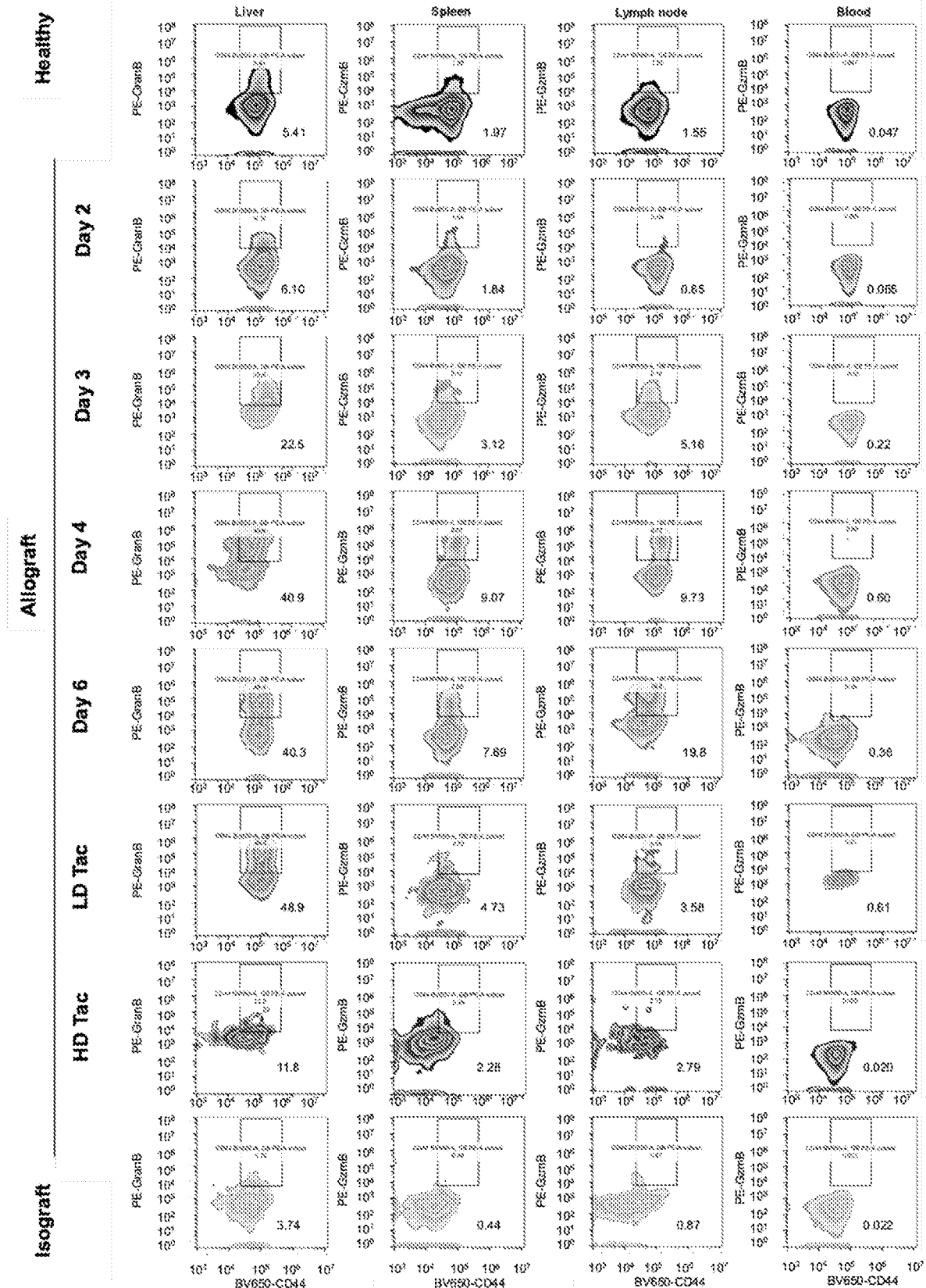


FIG. 36

Measurement of the level of cytokines

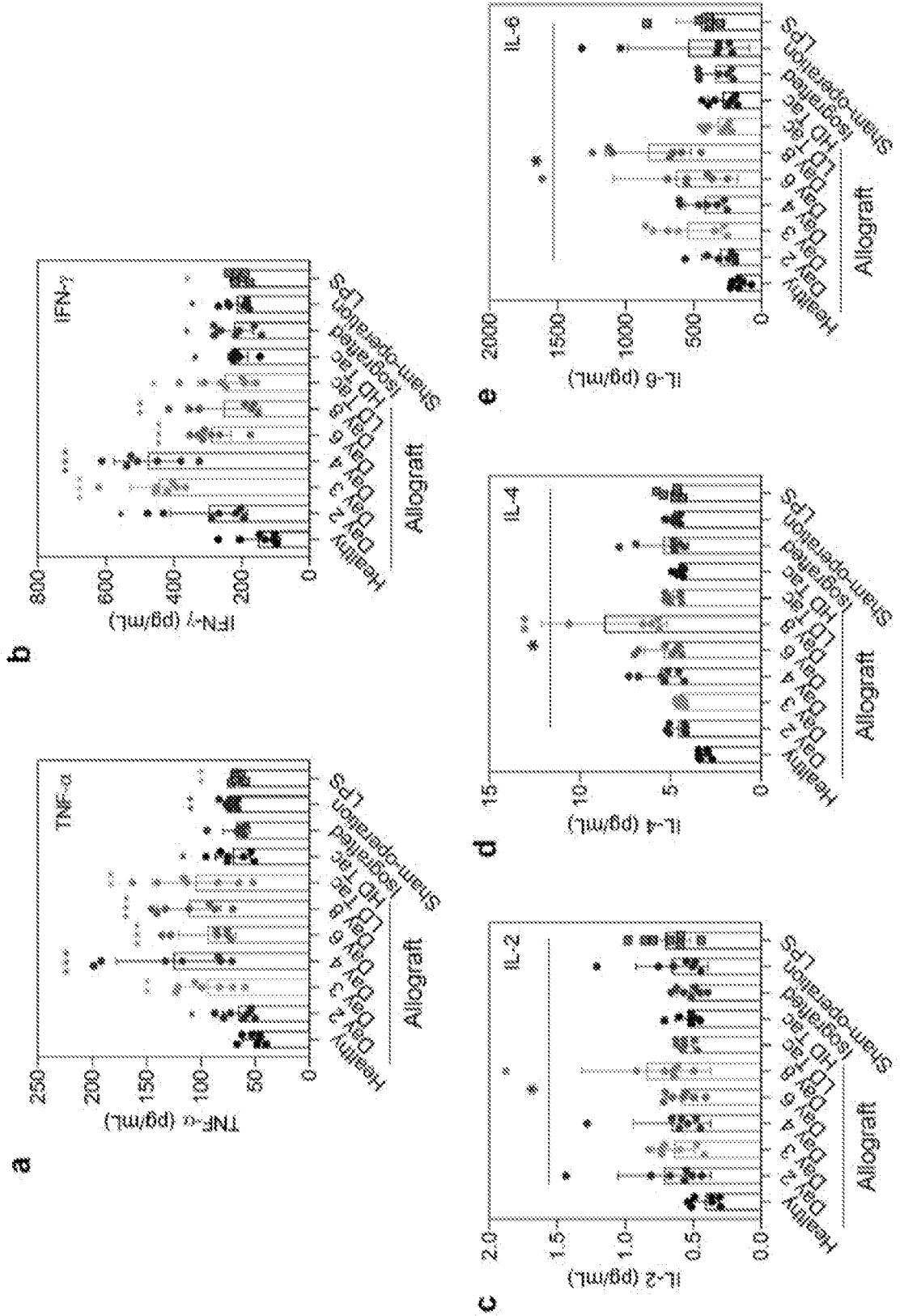


FIG. 37