

FIG. 1A
Traditional Transgenic Mouse Hybridoma
Generation Method

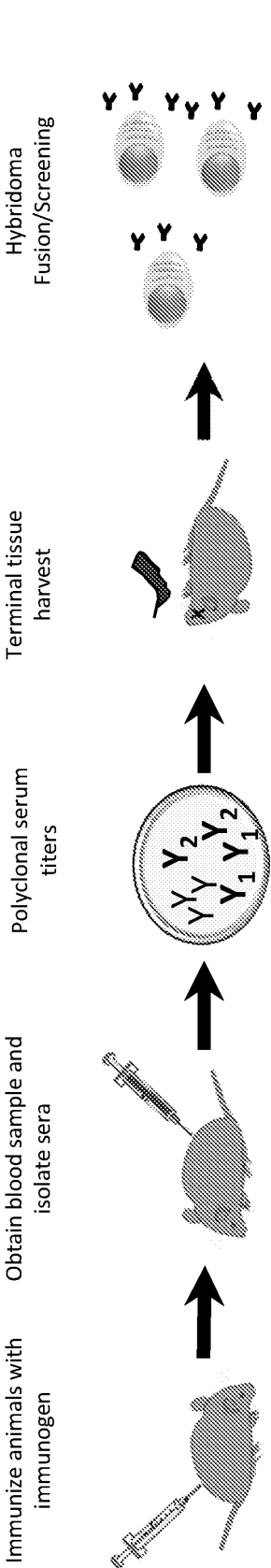


FIG. 1B
Non-Terminal Method for Monitoring Immune Response

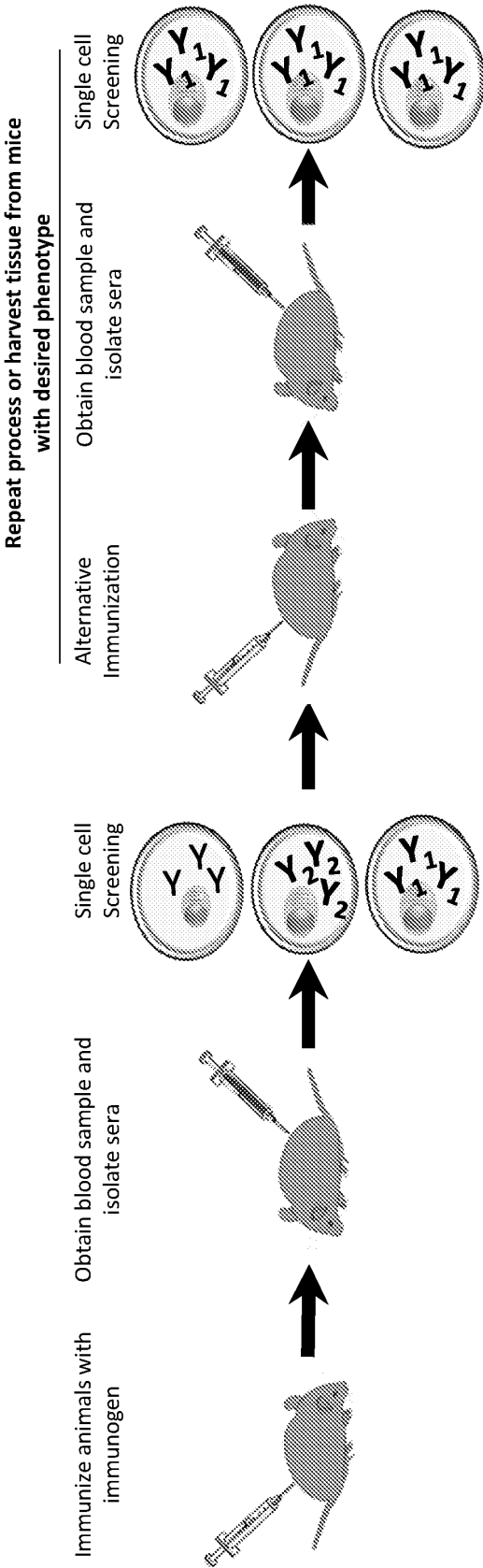


FIG. 1C
Non-Terminal Method of Monitoring for the Production of Select Antibodies

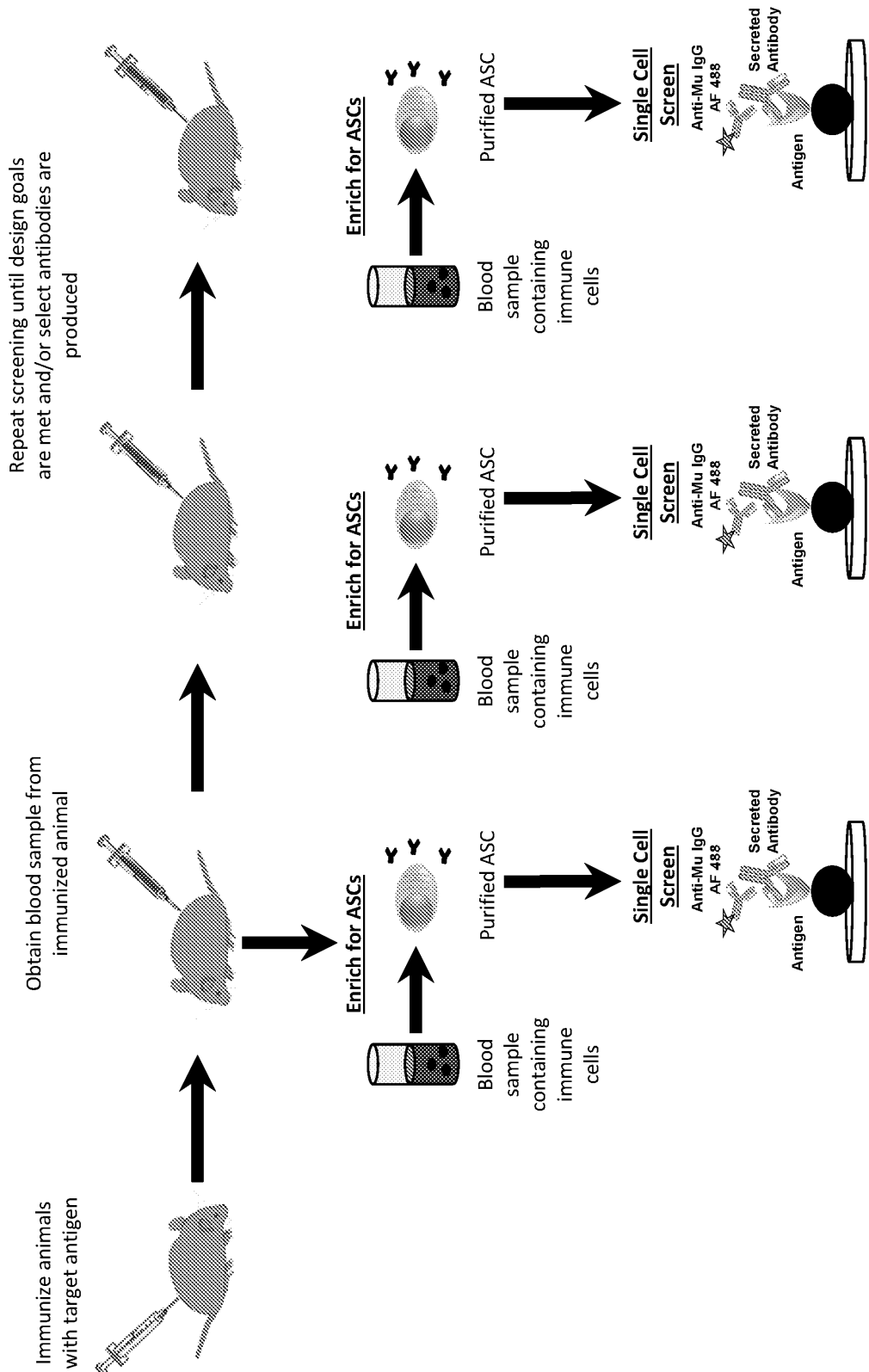


FIG. 1D
Non-Terminal Method of Guiding
Antibody Production for Select Antibody Production

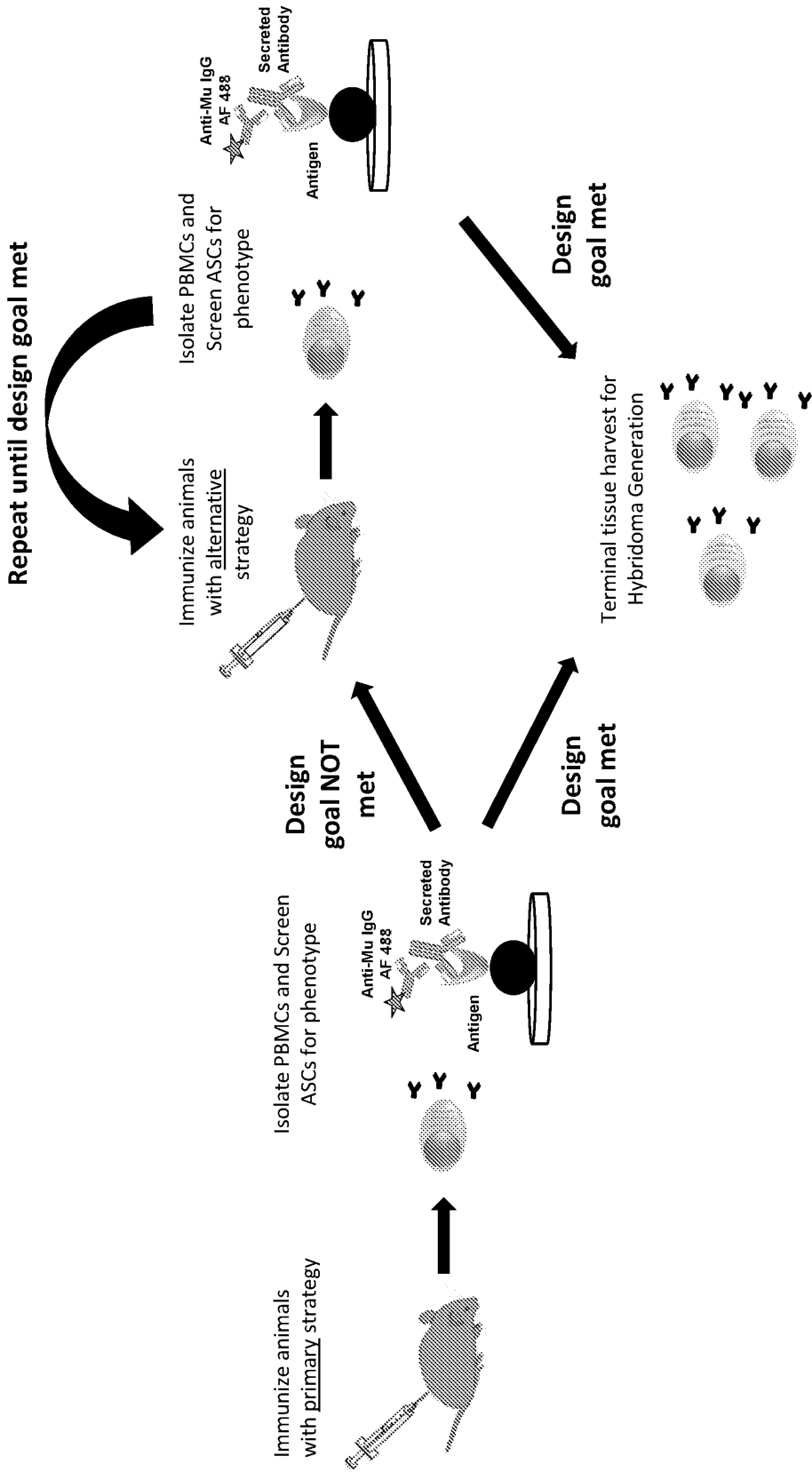


FIG. 1E
Non-Terminal Method of Screening Animals and B-Cell Profiling

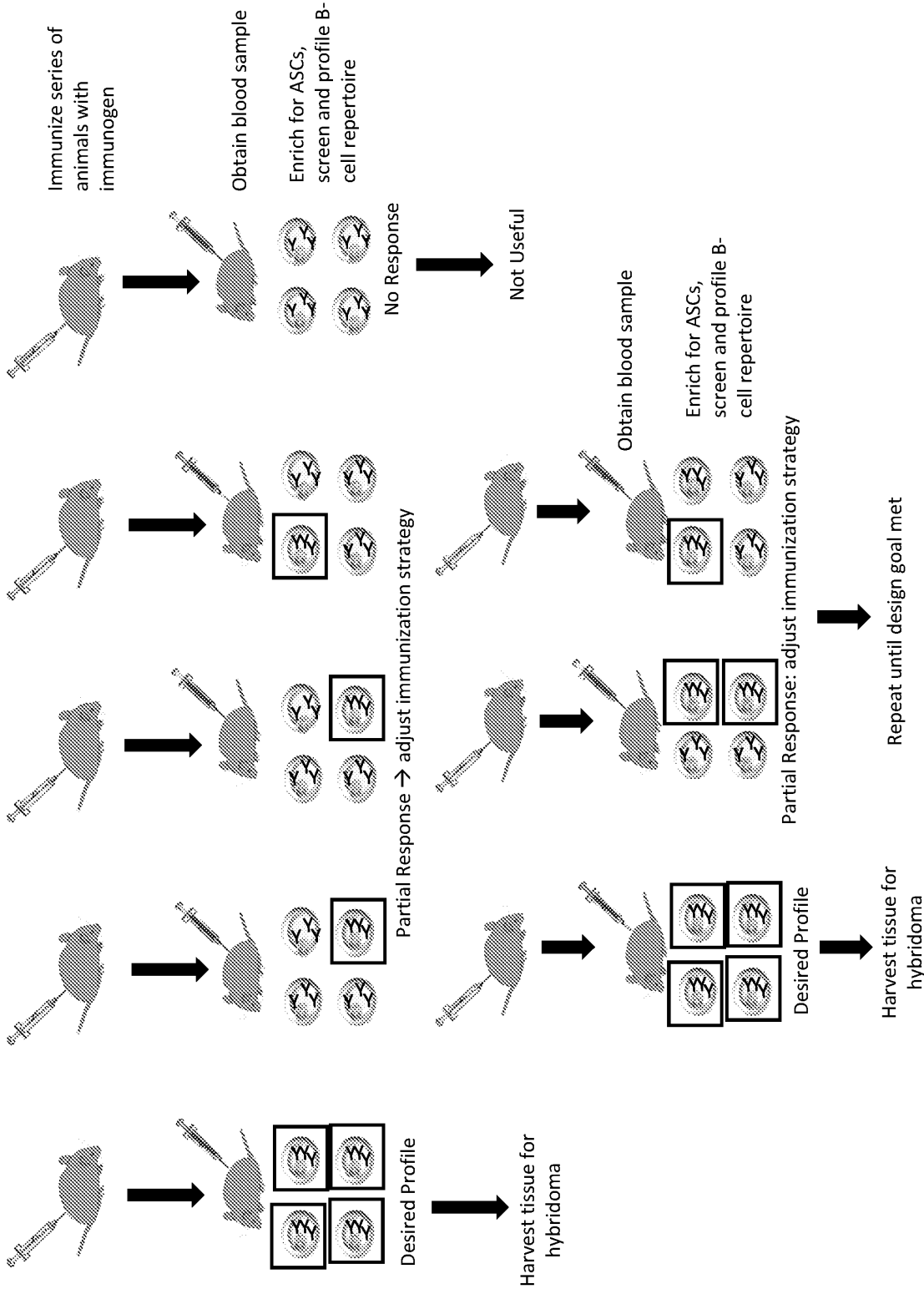


FIG. 2A

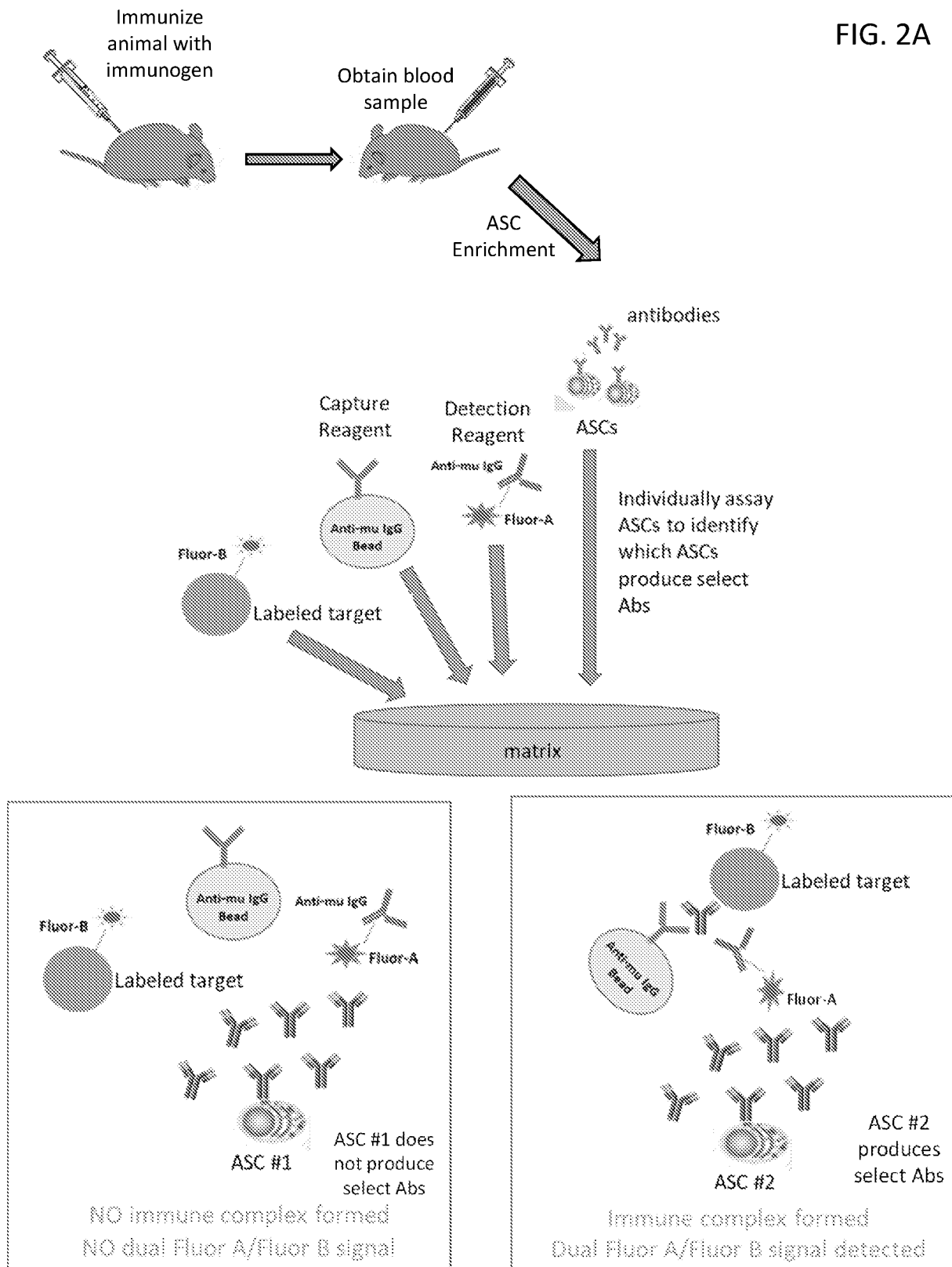


FIG. 2B

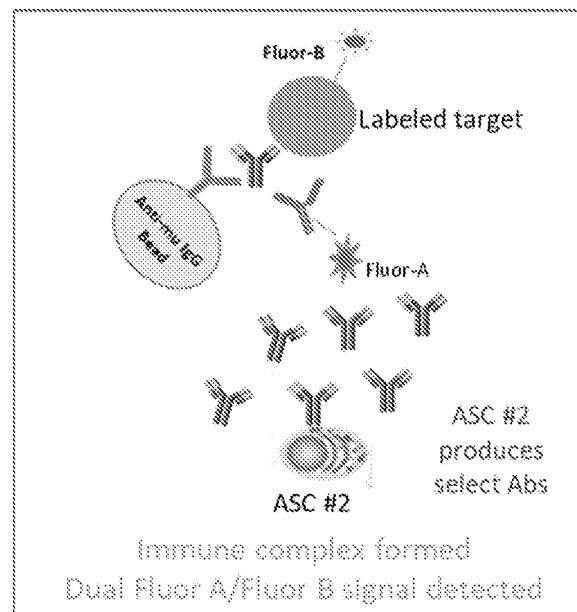
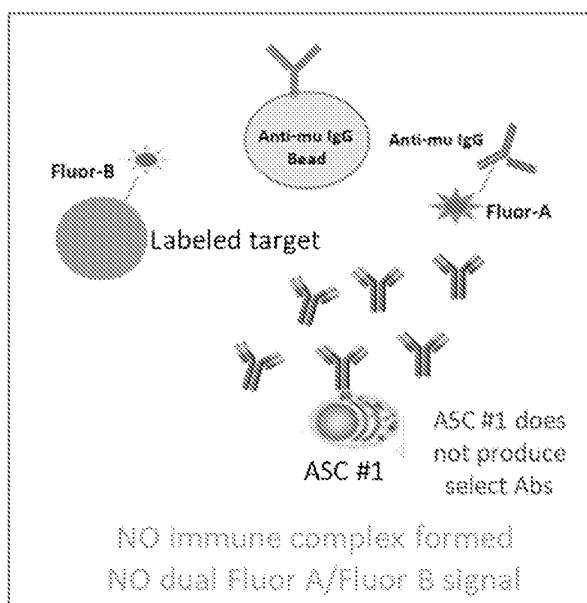
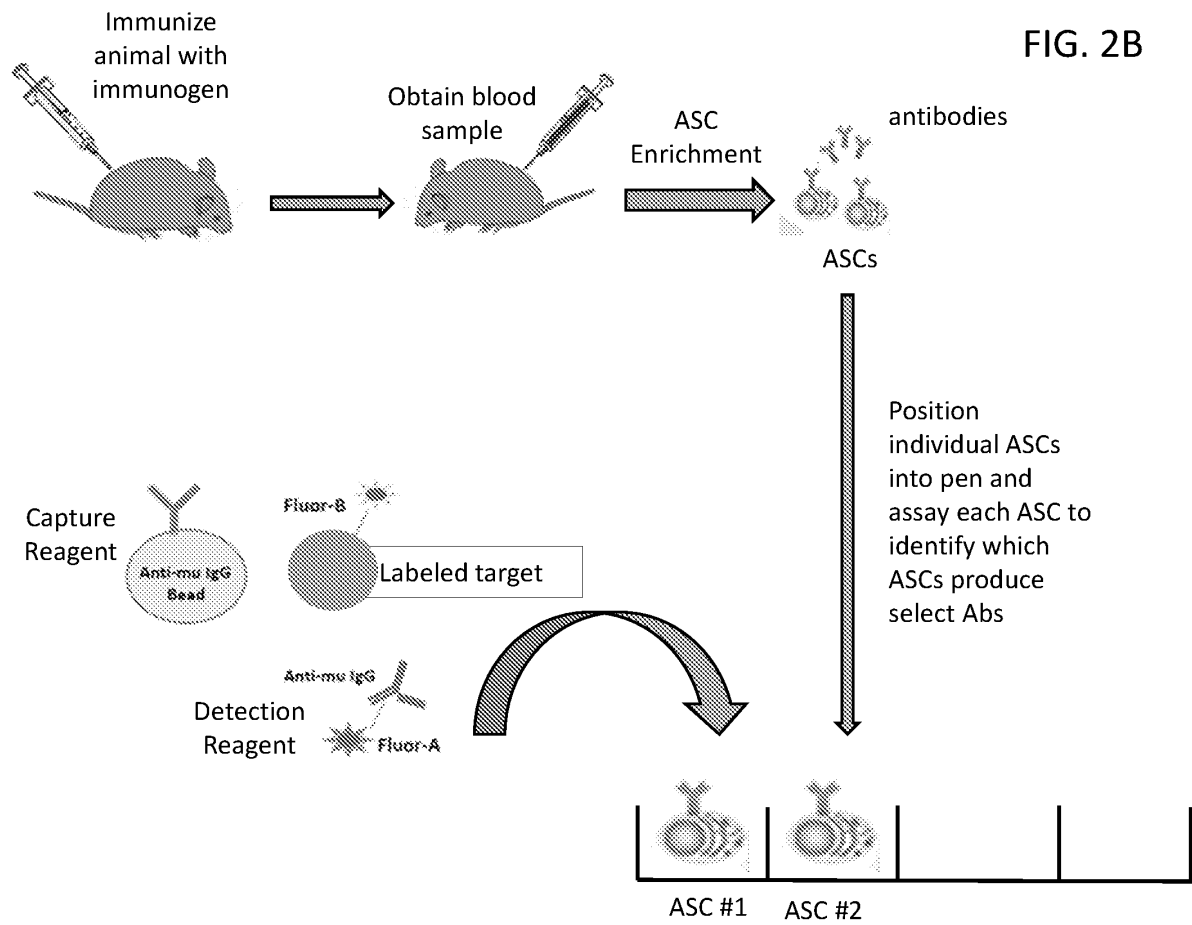


FIG. 2C

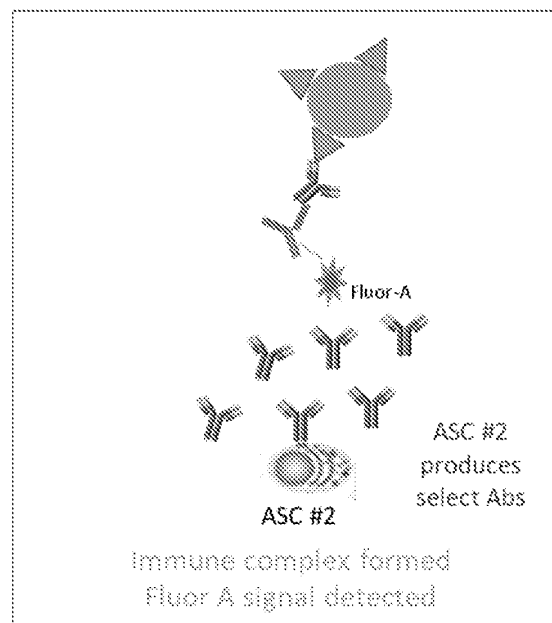
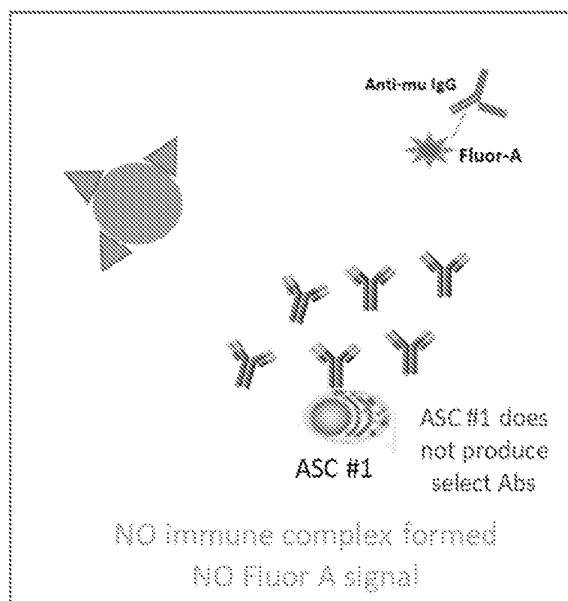
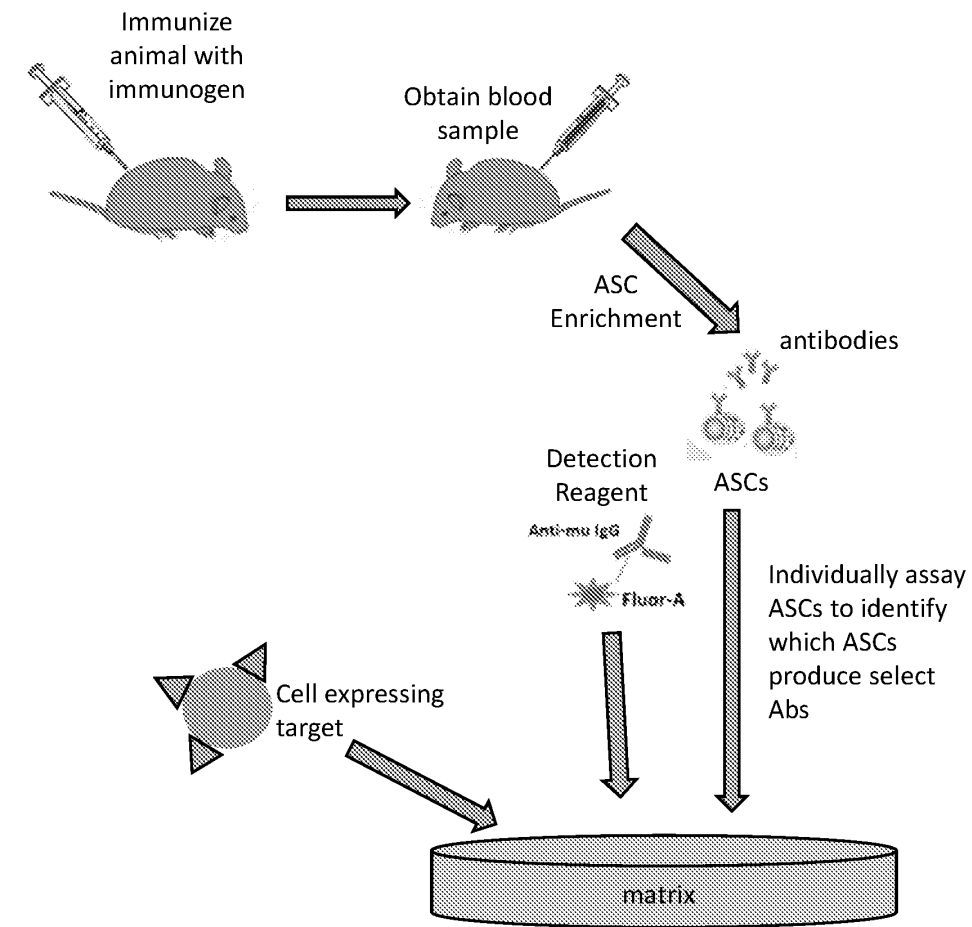


FIG. 3

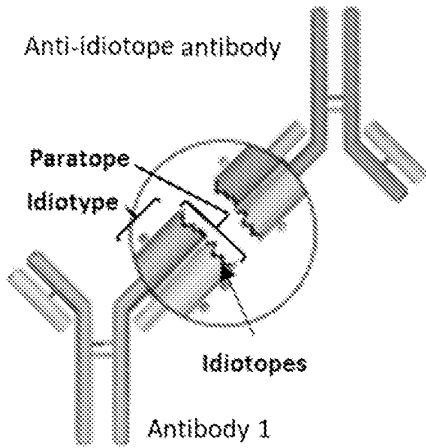


FIG. 4

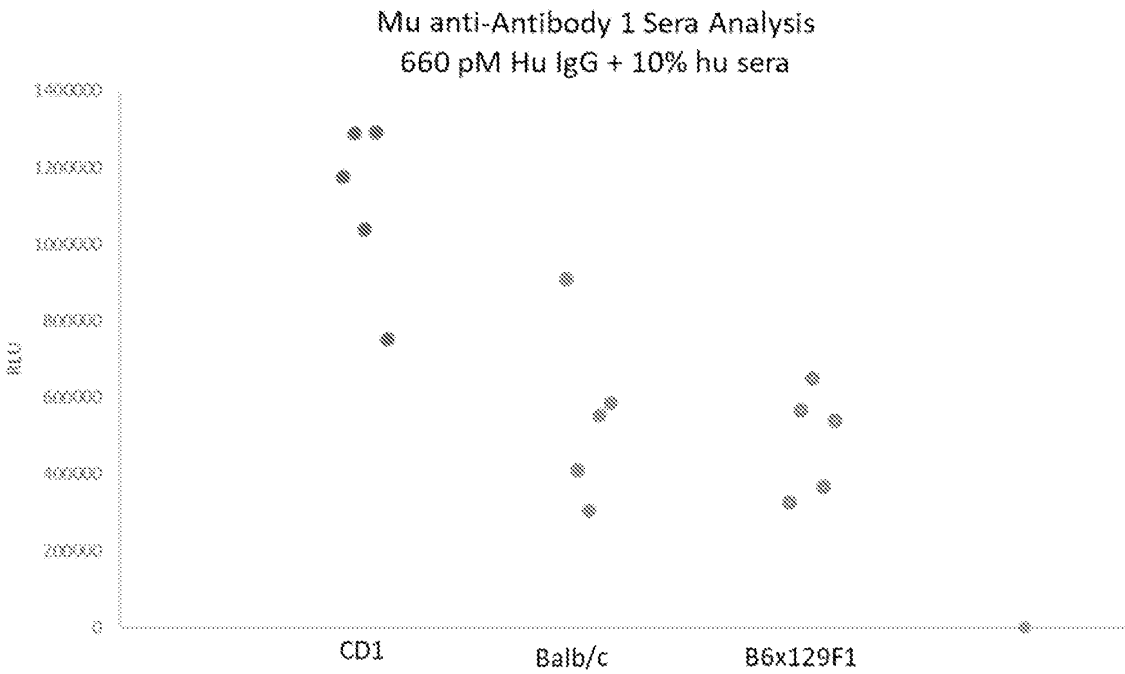


FIG. 5C

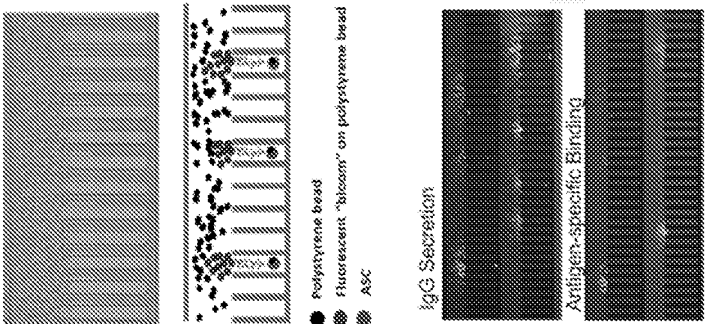


FIG. 5B

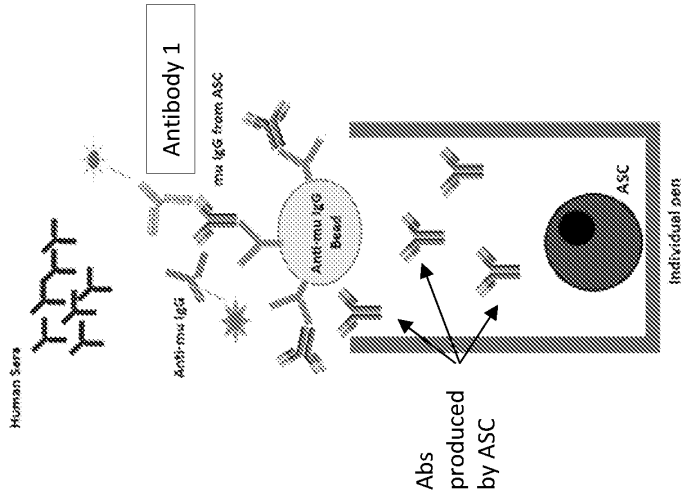


FIG. 5A

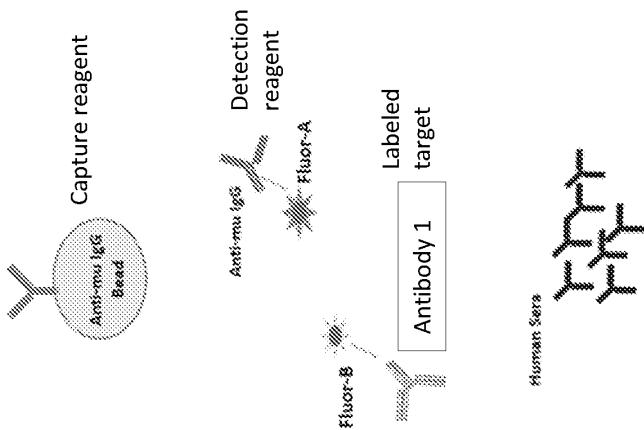


FIG. 6

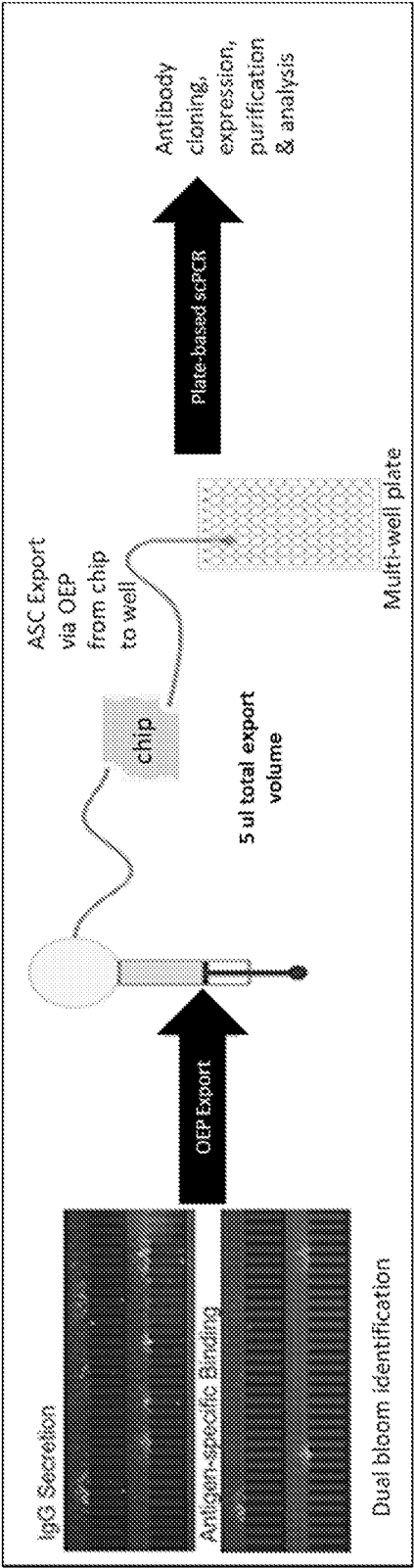


FIG. 7A

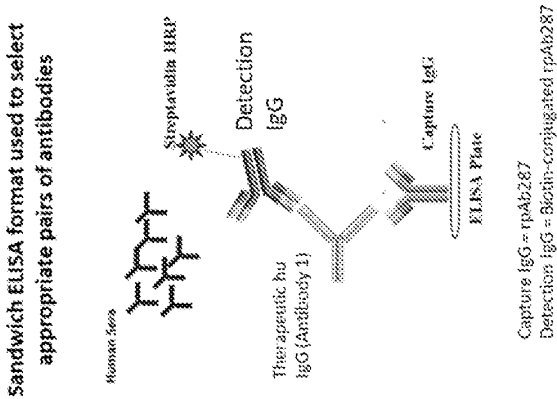


FIG. 7B

Performance of antibody 287 in the sandwich ELISA in the presence of serum from different sources

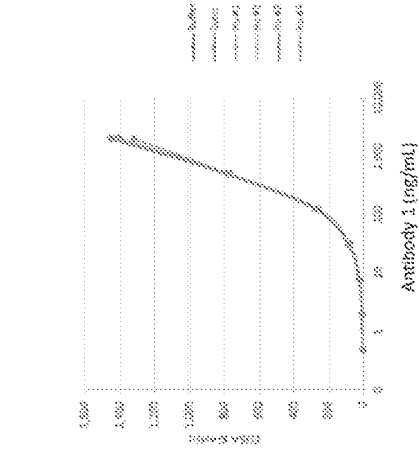


FIG. 7C

PD1 functional assay demonstrating antibody 287 blocks PD1 activity

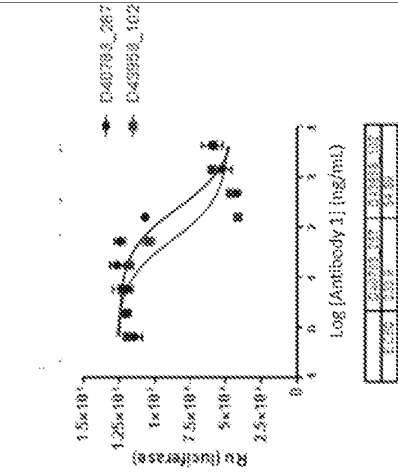
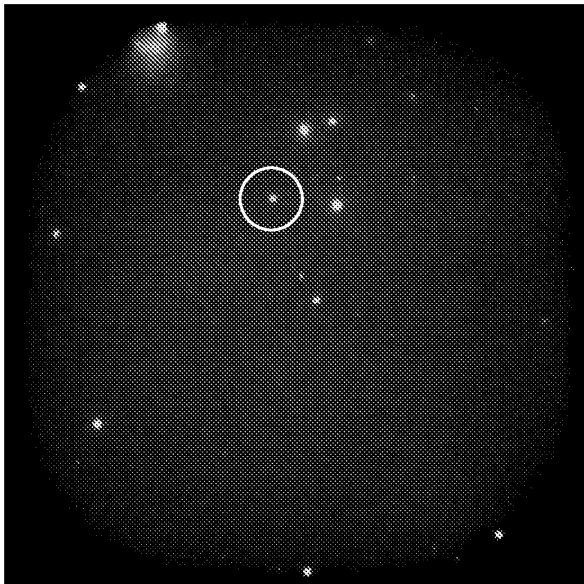
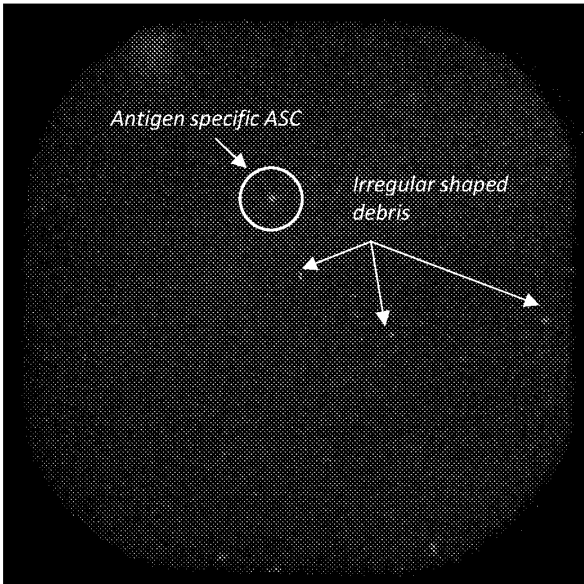


FIG. 8A



Antibody secretion

FIG. 8B



Antigen specificity

FIG. 8C

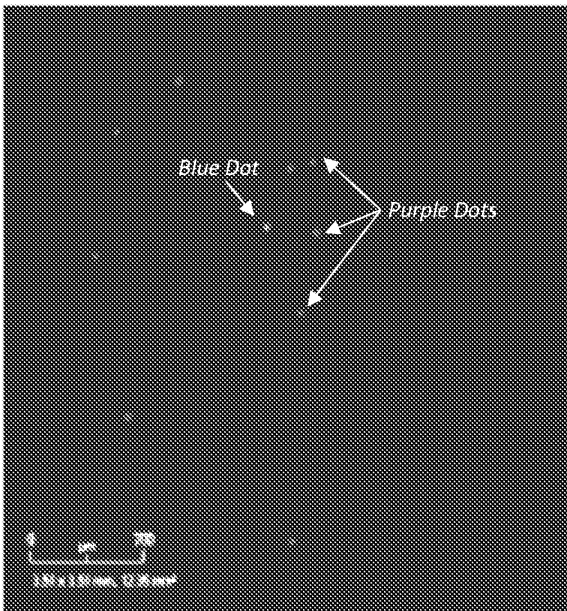
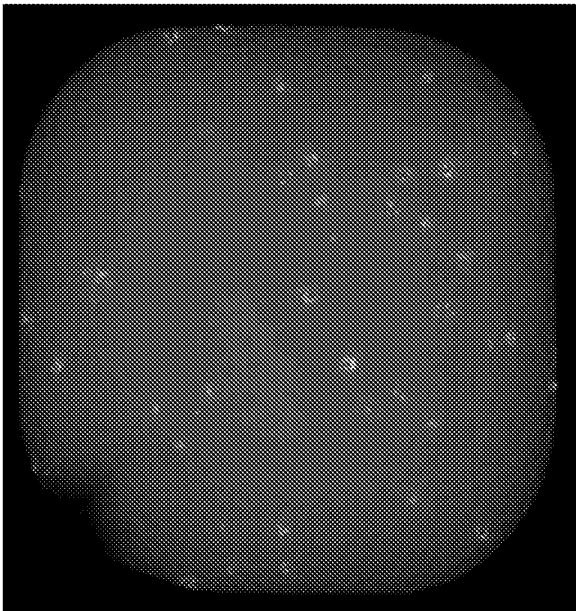
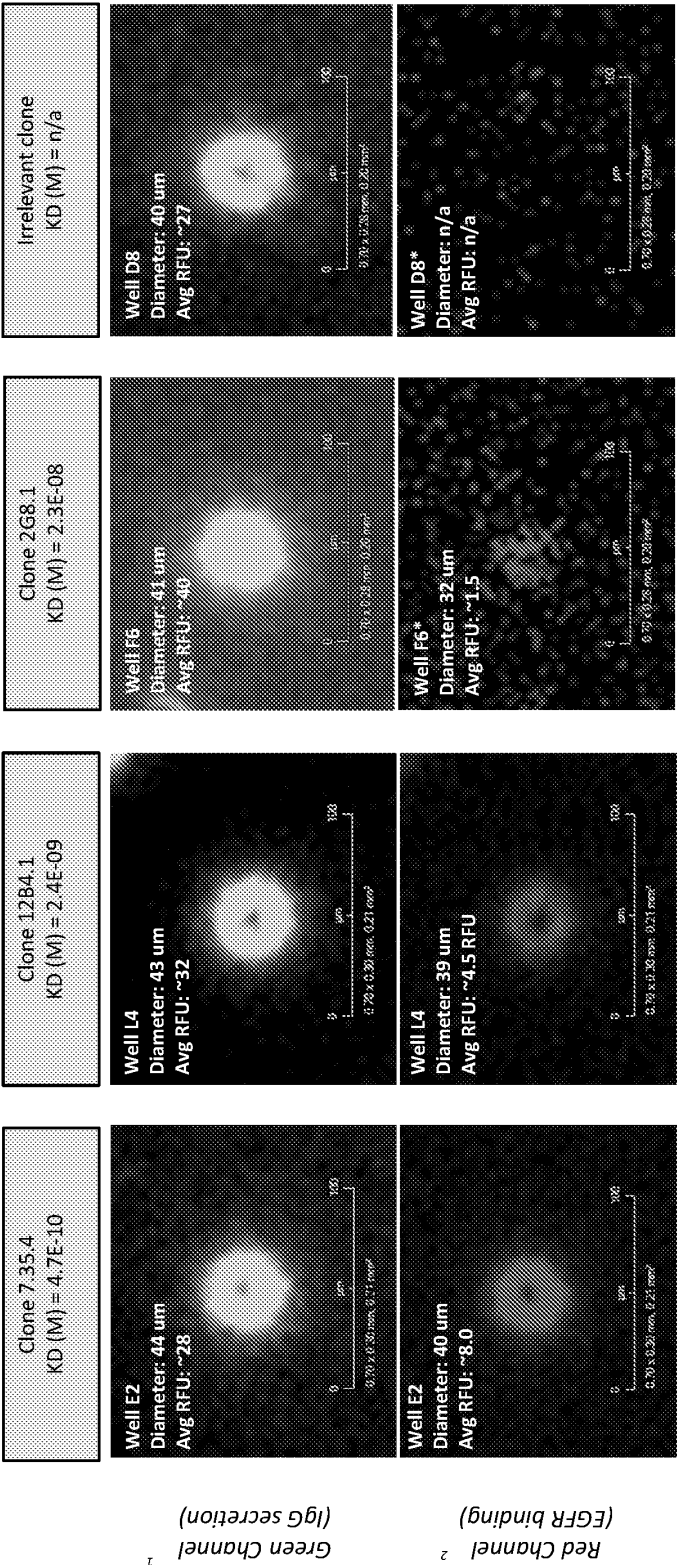


FIG. 8D



Total IgG+ Count (Purple): 10
Overlap (Blue): 1
Total Antigen Specific: 1

Figure 9
Sample ASC image and RFU values

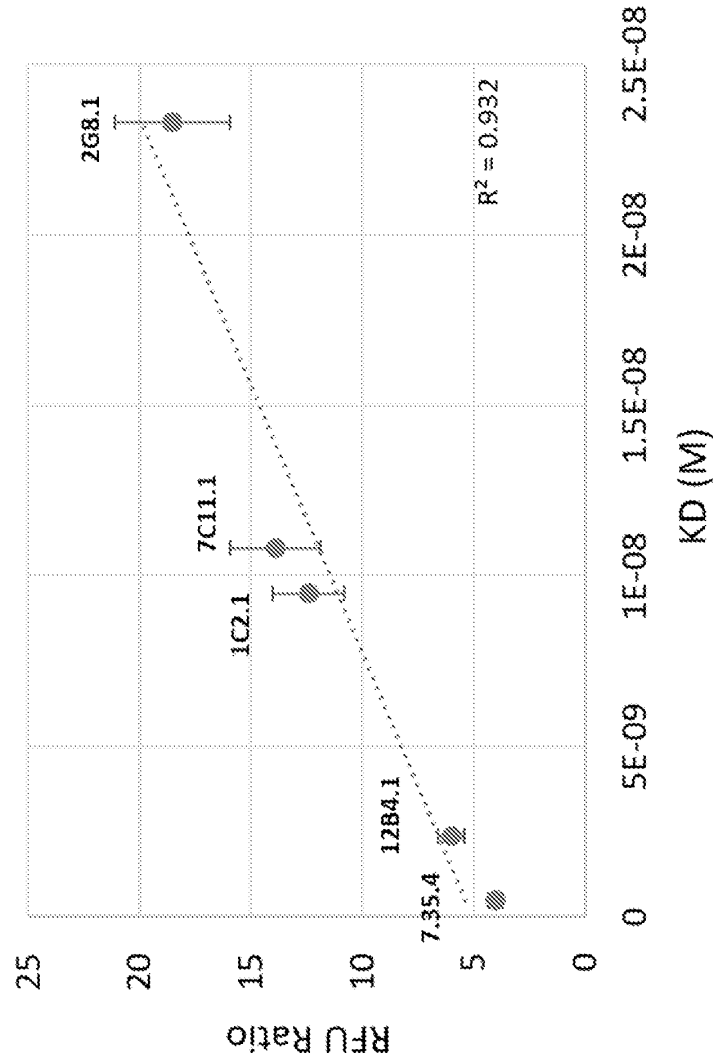


1. Fluorescent images are green on green channel
2. Fluorescent images are red on red channel

*Increased exposure time image

Figure 10

RFU ratio (IgG secretion (green)/binding (red)) correlation to affinity of 6 hybridoma cells/clone



Hu = human ortholog
Cyno = cynomolgus monkey ortholog

Figure 13

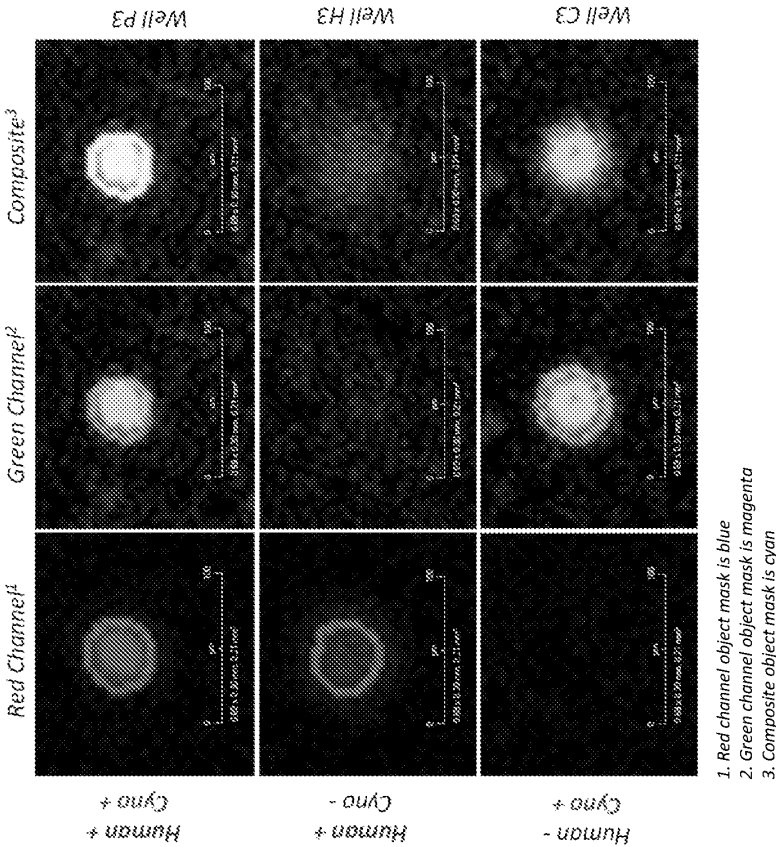


Figure 12
Serum Titers
(Bleed 1)

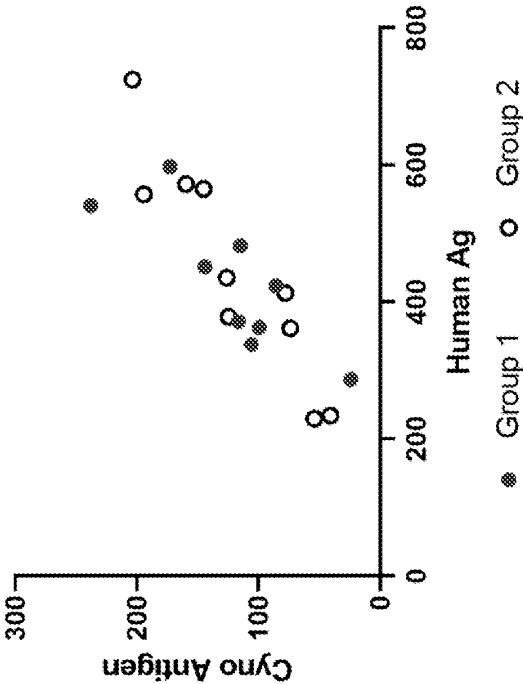


Figure 14

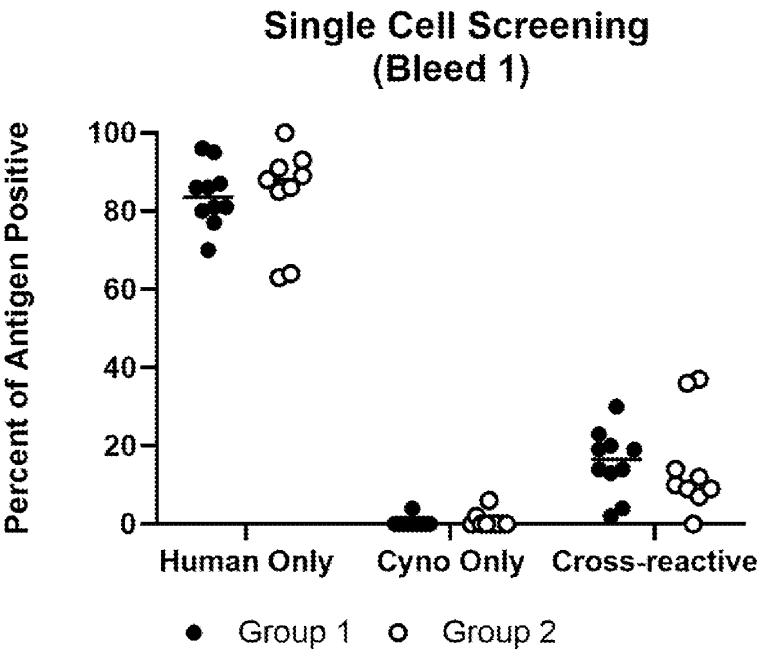


Figure 15

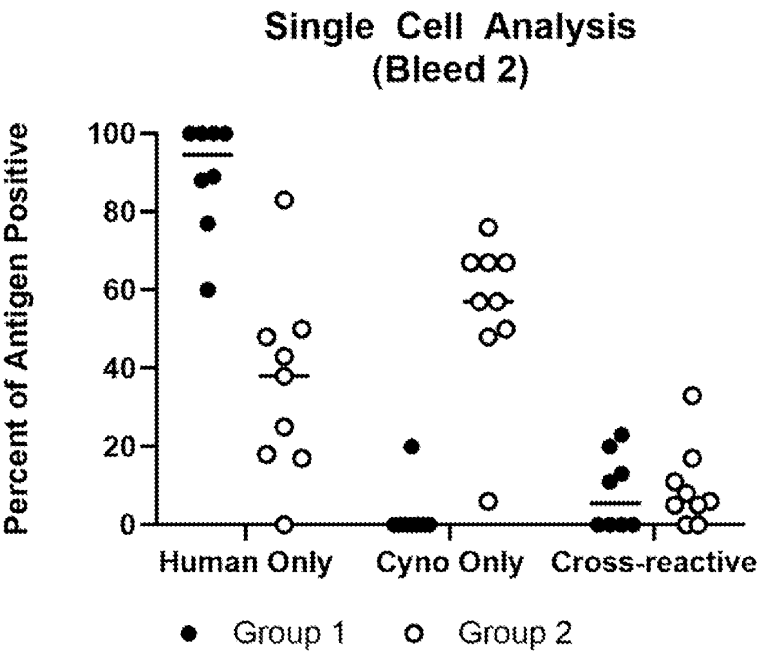


Figure 16

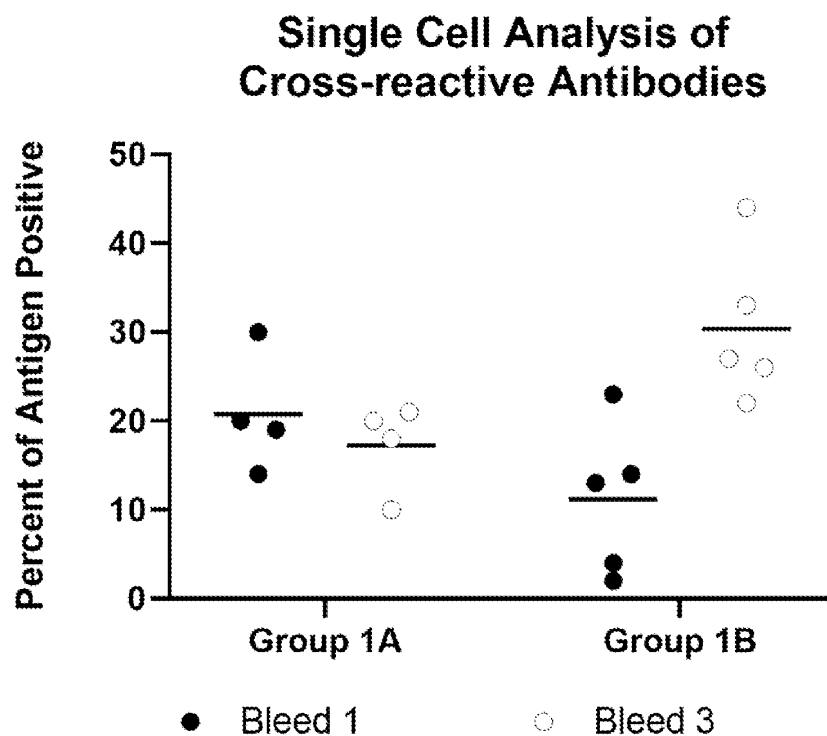


Figure 17

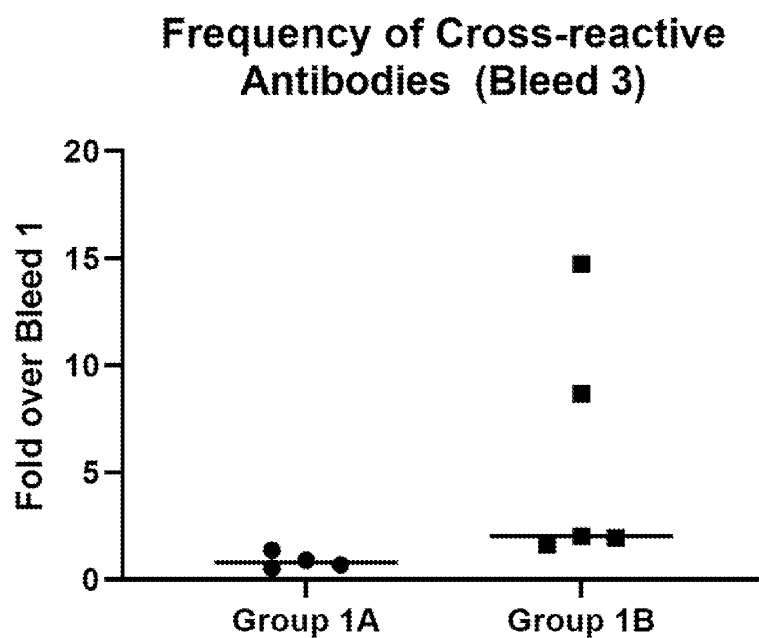


Figure 18

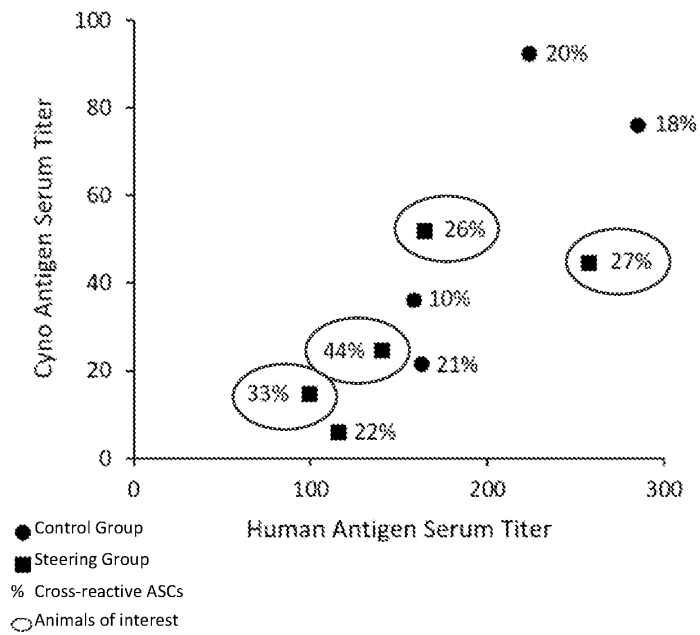
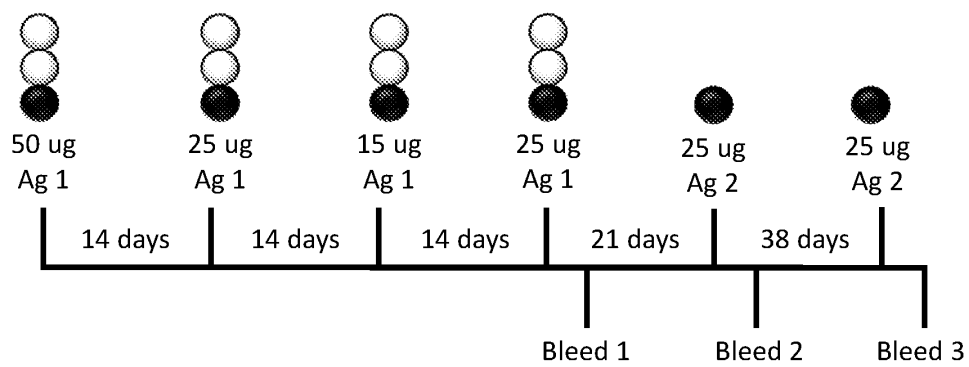
Animal Selection Based on Single Cell Screen vs Serum Titer

Figure 19



Serum Titers
(Bleed 1)

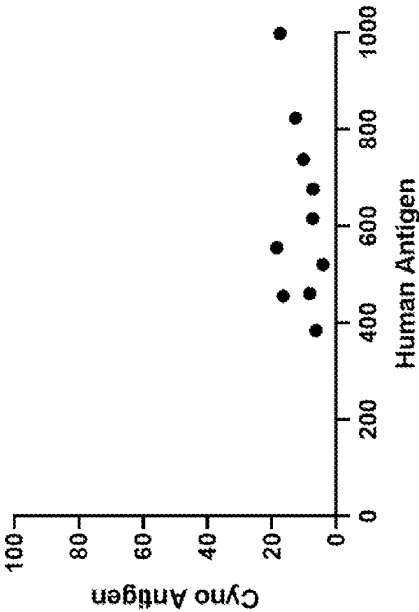
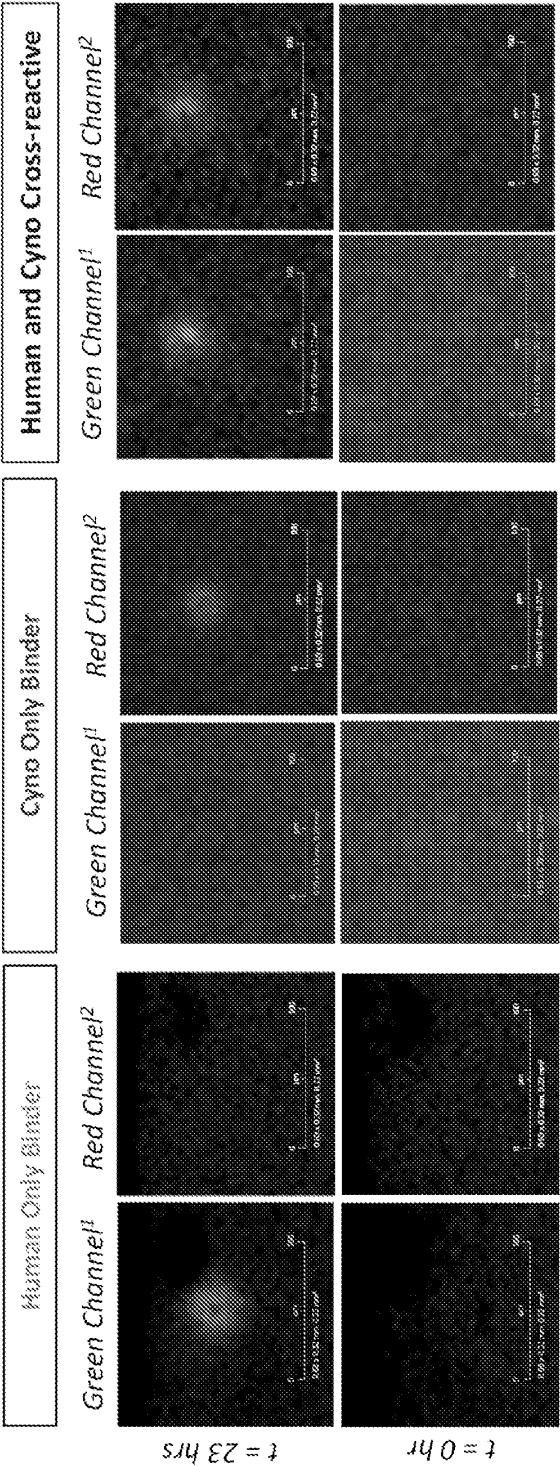
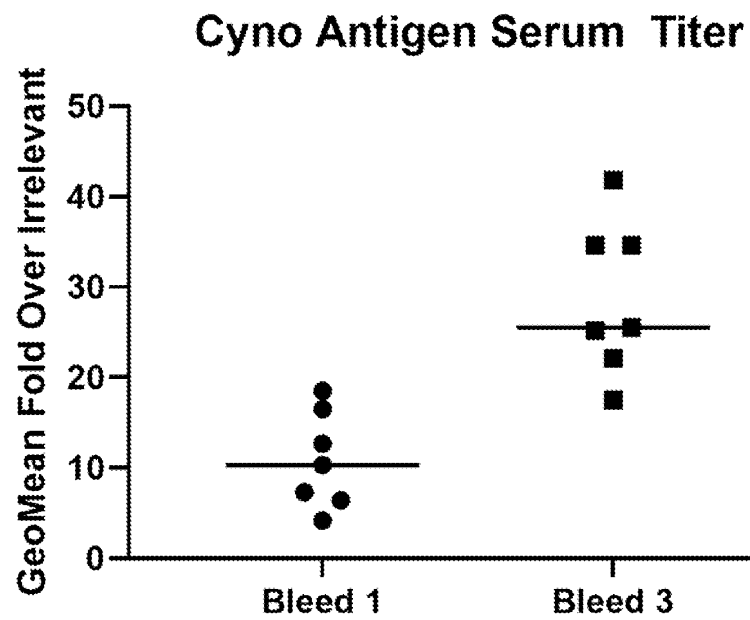
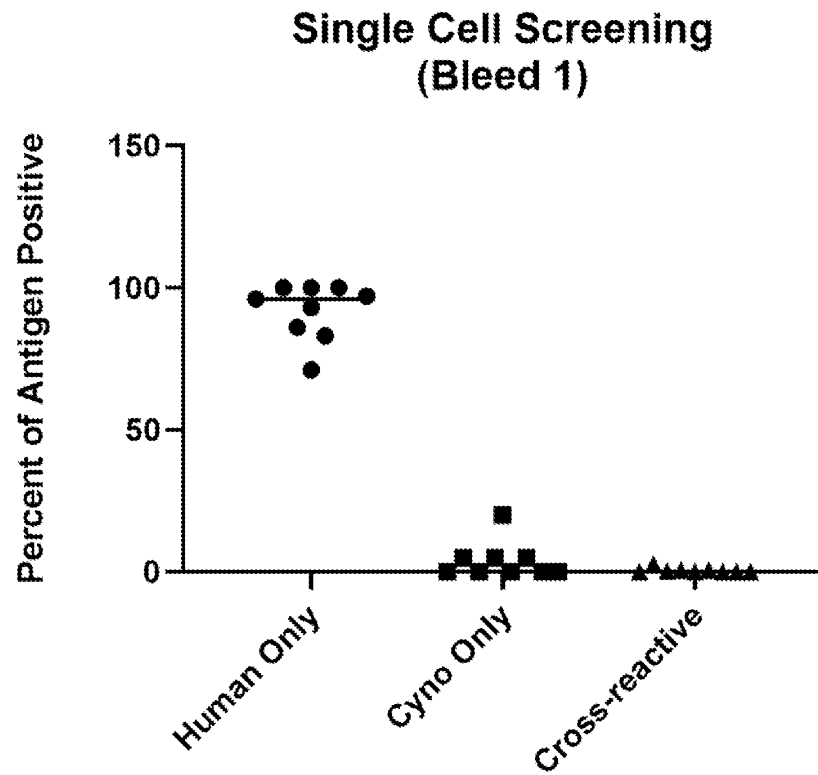


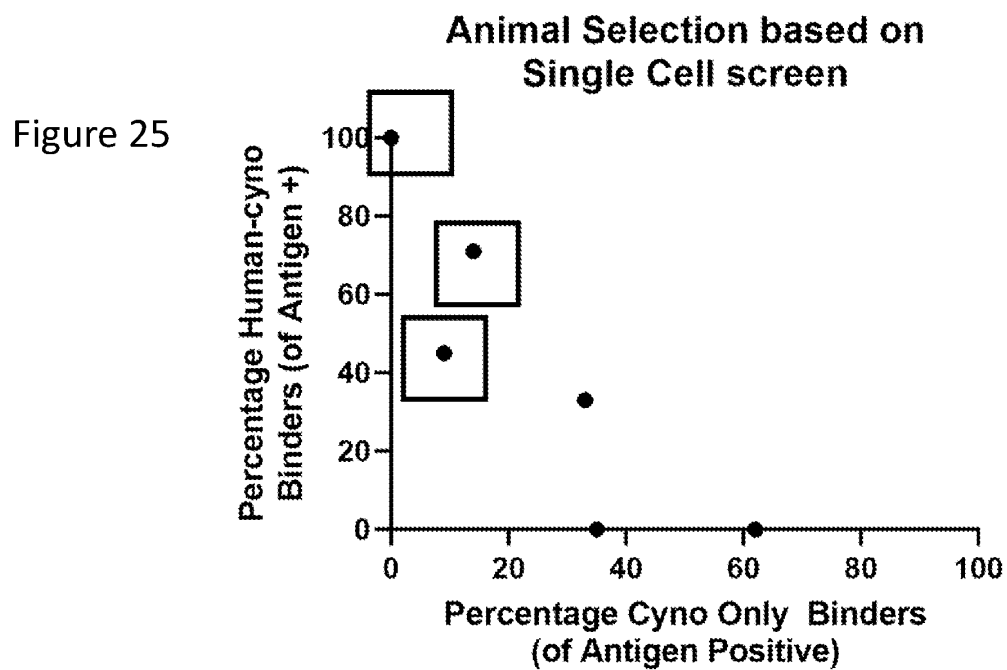
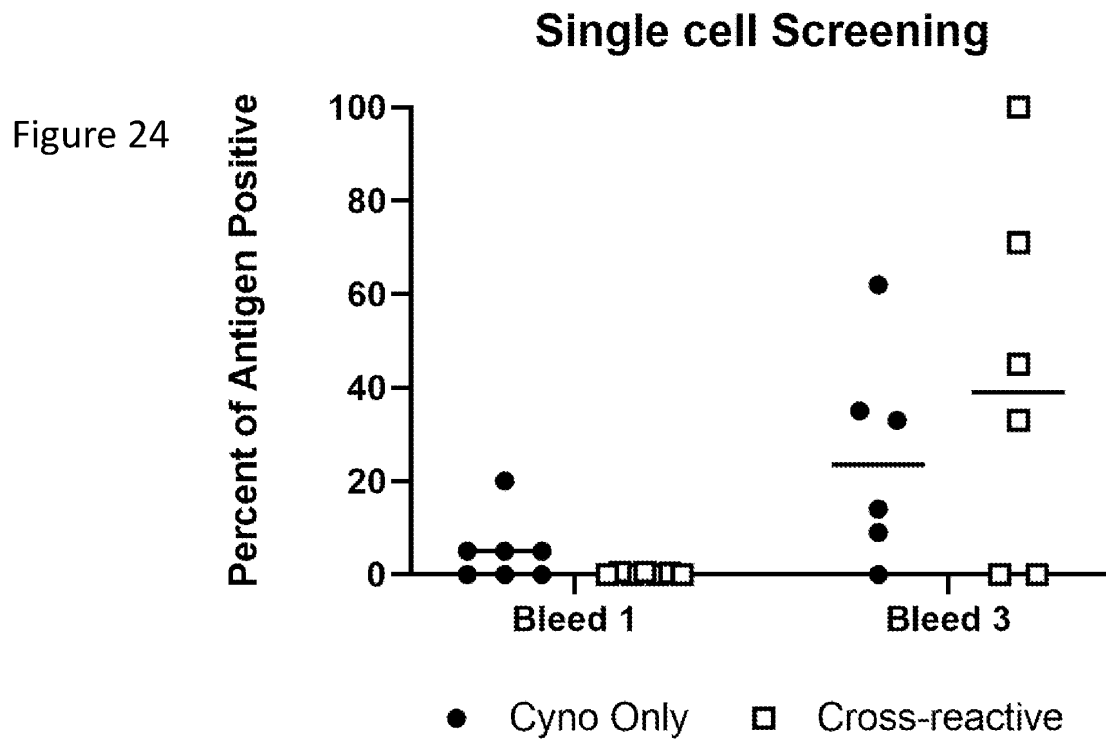
Fig 20

Fig 21



1. Fluorescent images are green on green channel
2. Fluorescent images are red on red channel





The black boxes indicates animals of interest