

1/57

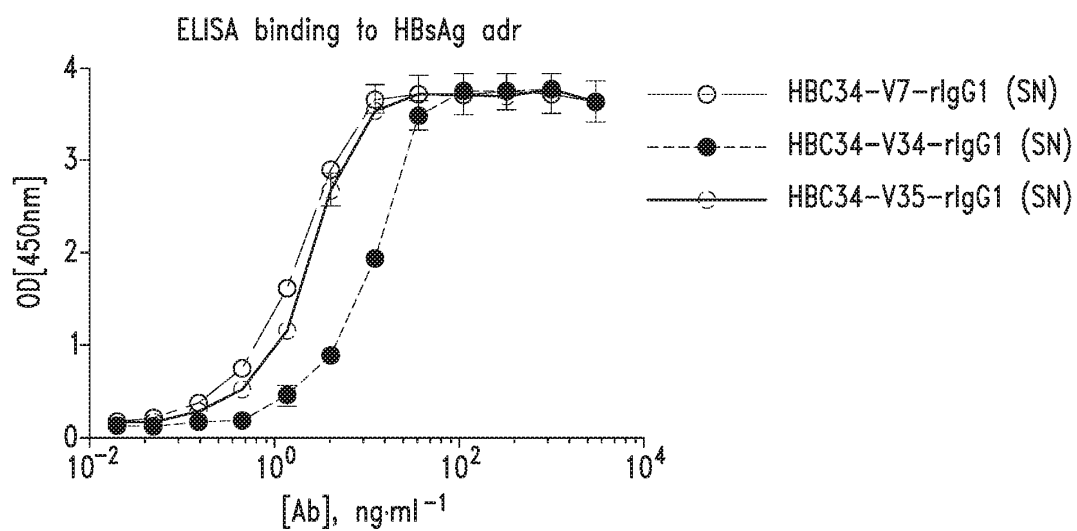
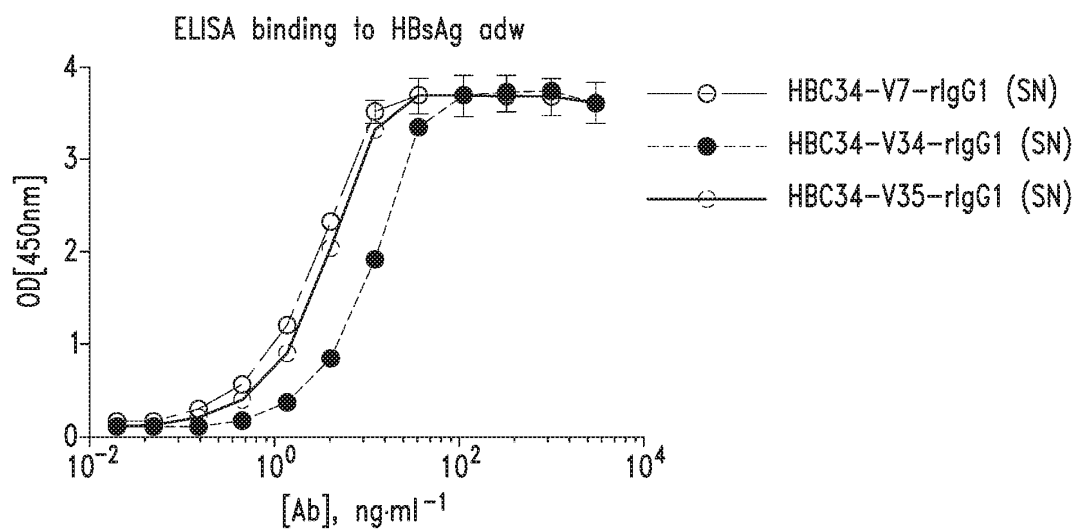


FIG. 1

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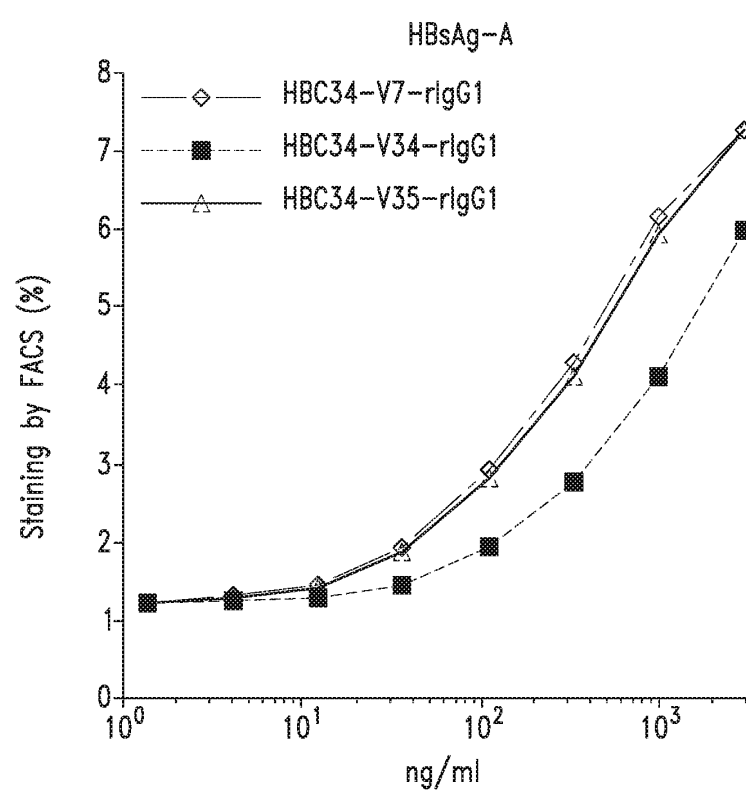


FIG. 2A

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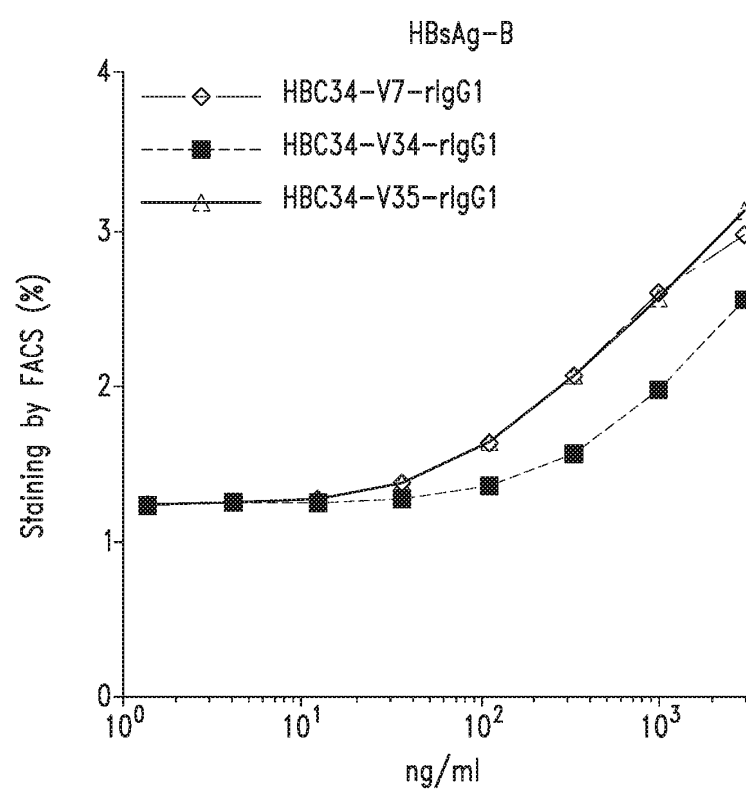


FIG. 2B

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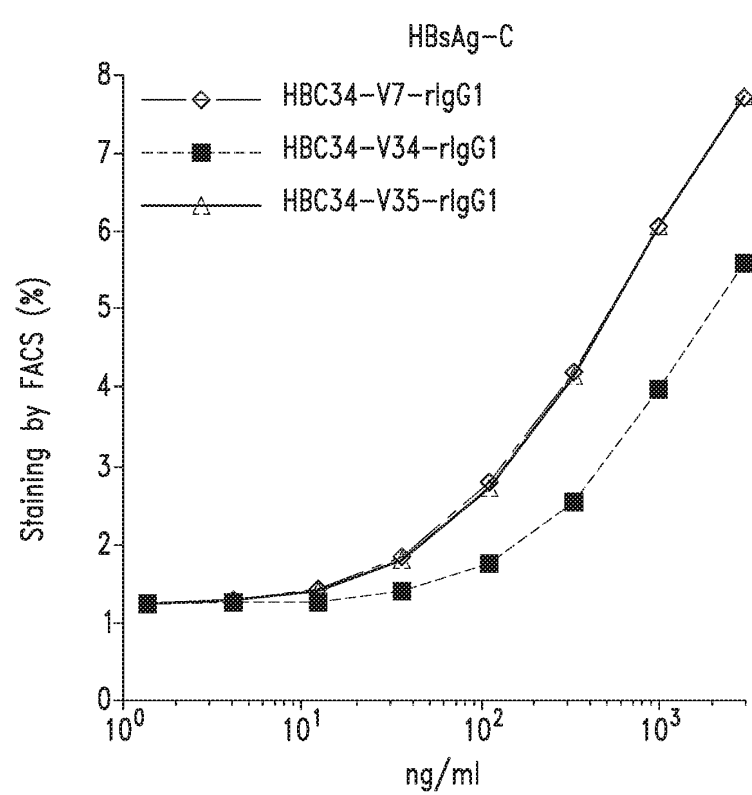


FIG. 2C

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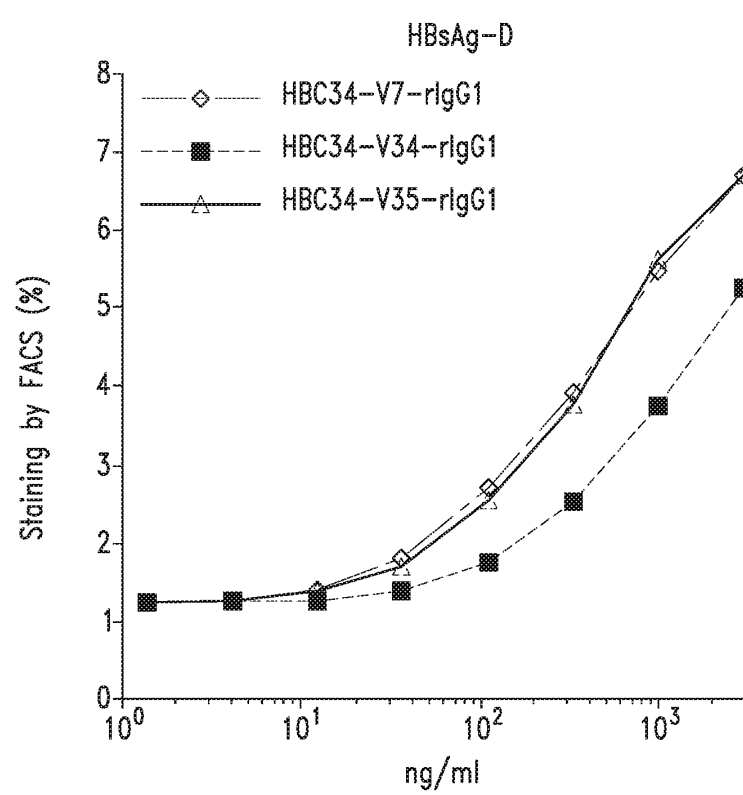


FIG. 2D

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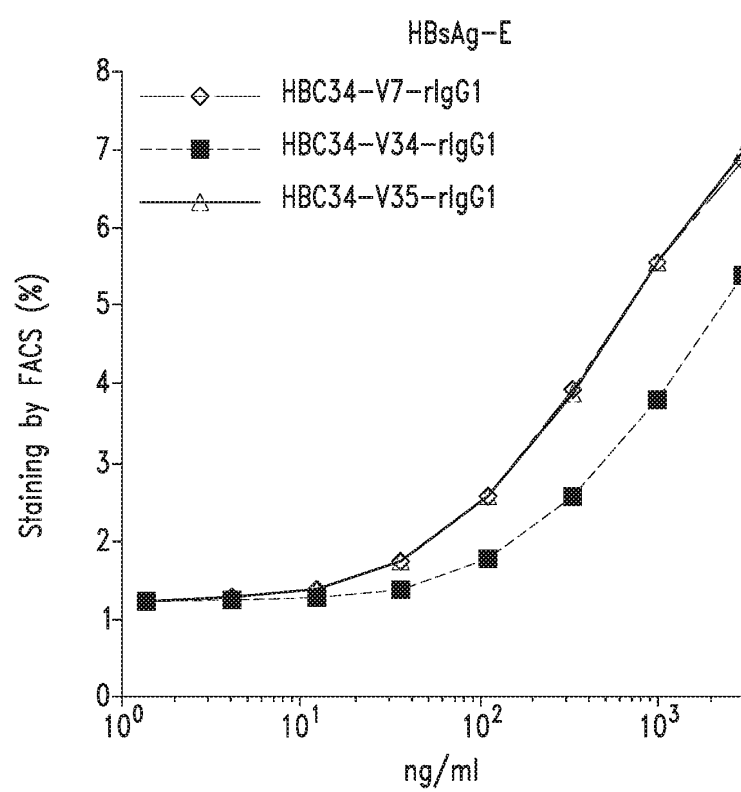


FIG. 2E

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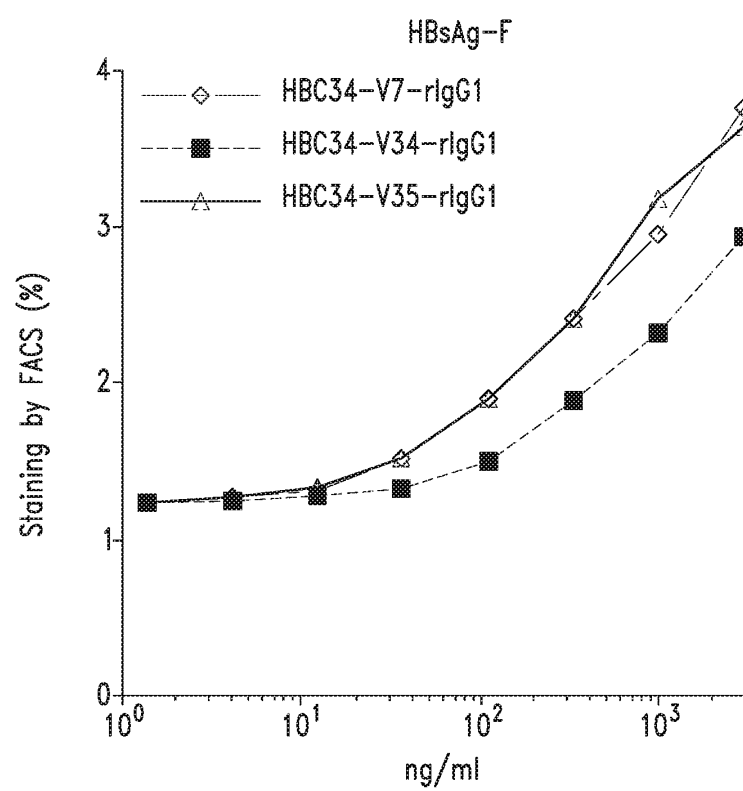


FIG. 2F

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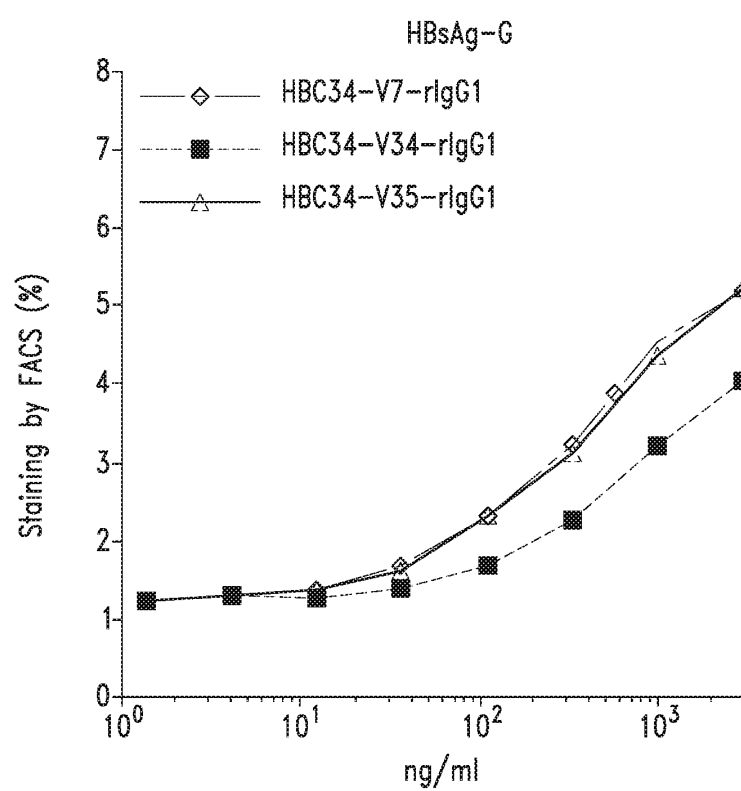


FIG. 2G

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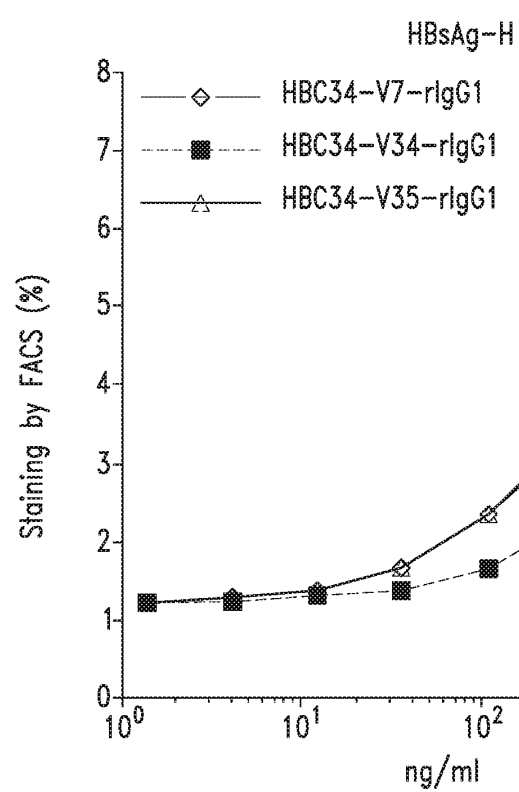


FIG. 2H

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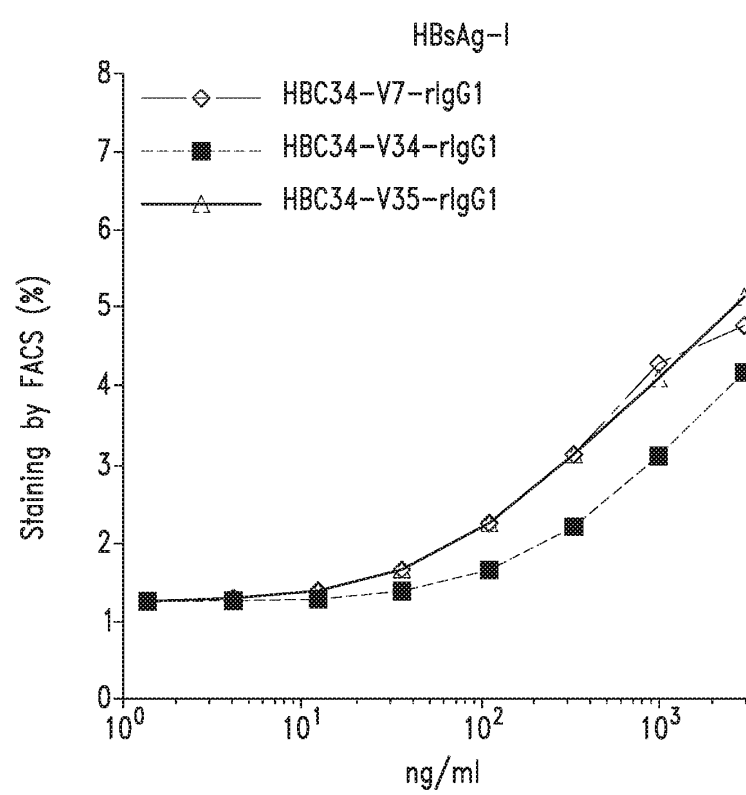


FIG. 2I

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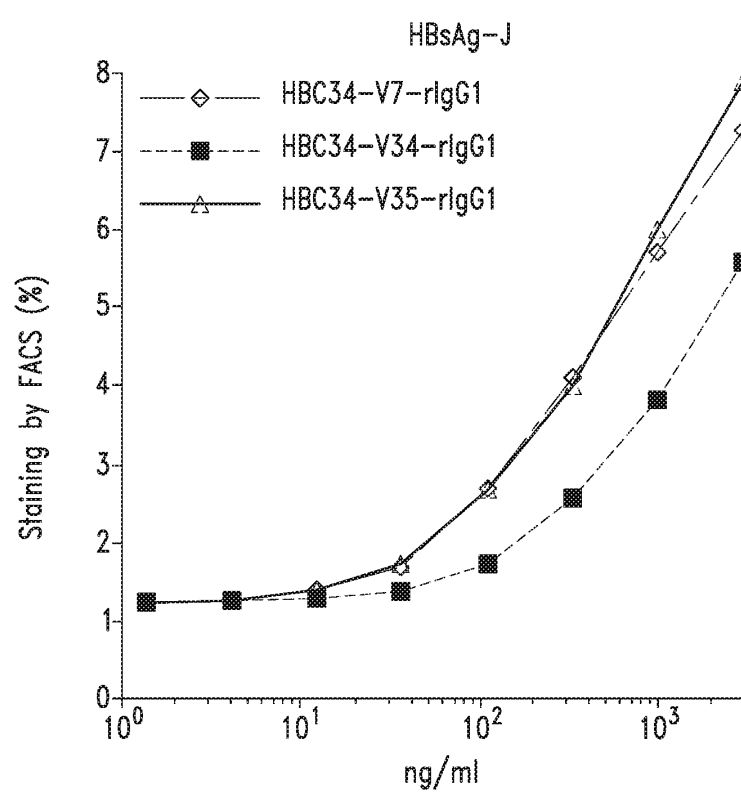


FIG. 2J

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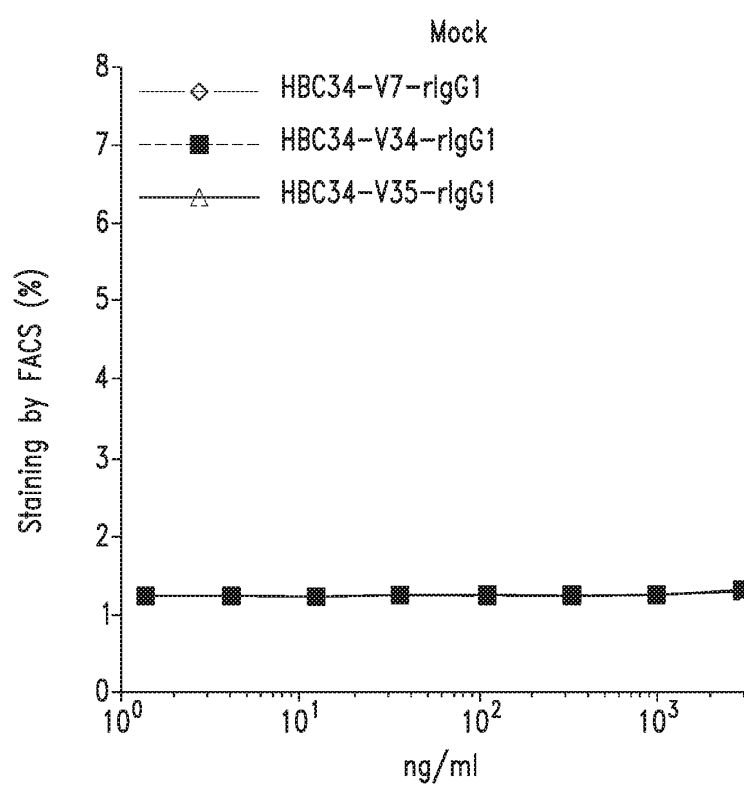
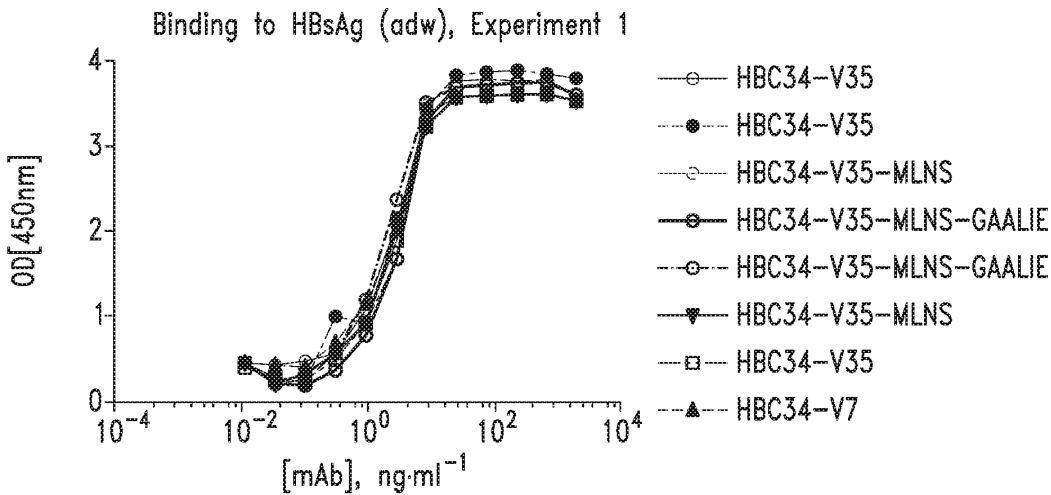


FIG. 2K



|                       | EC50  |
|-----------------------|-------|
| HBC34-V35             | 2.43  |
| HBC34-V35             | 2.799 |
| HBC34-V35-MLNS        | 2.565 |
| HBC34-V35-MLNS-GAALIE | 3.186 |
| HBC34-V35-MLNS-GAALIE | 1.982 |
| HBC34-V35-MLNS        | 2.309 |
| HBC34-V35             | 2.662 |

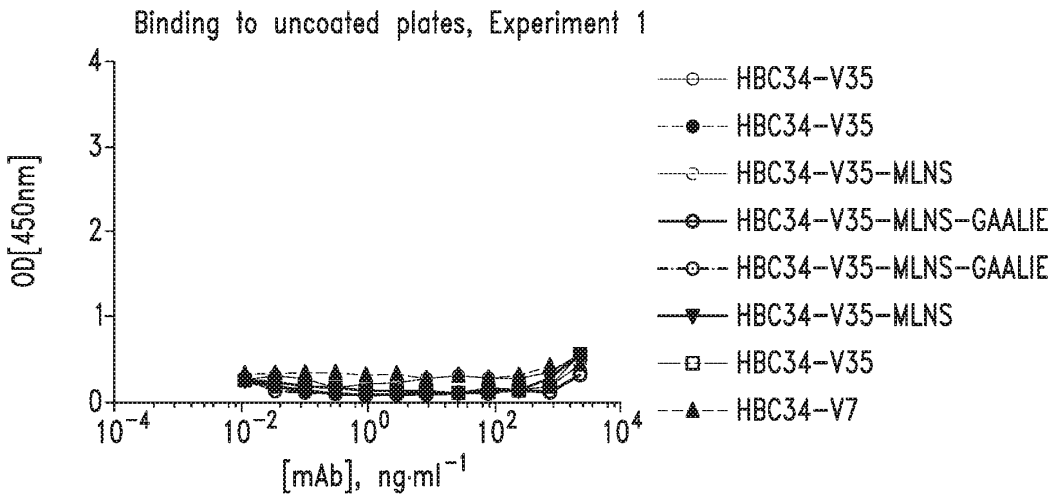


FIG. 3A

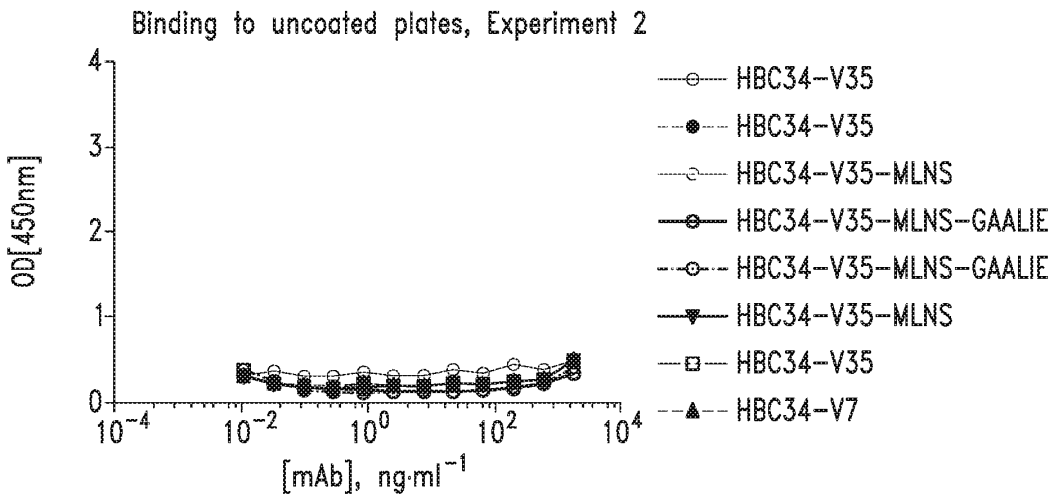
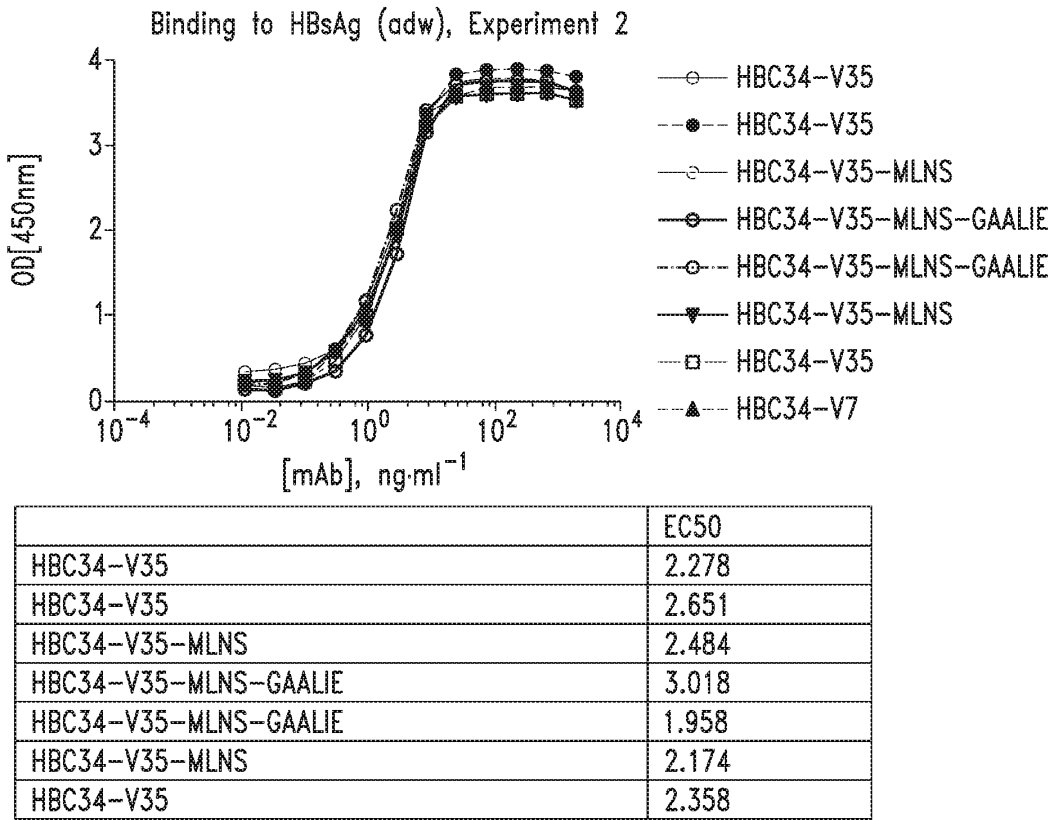


FIG. 3B

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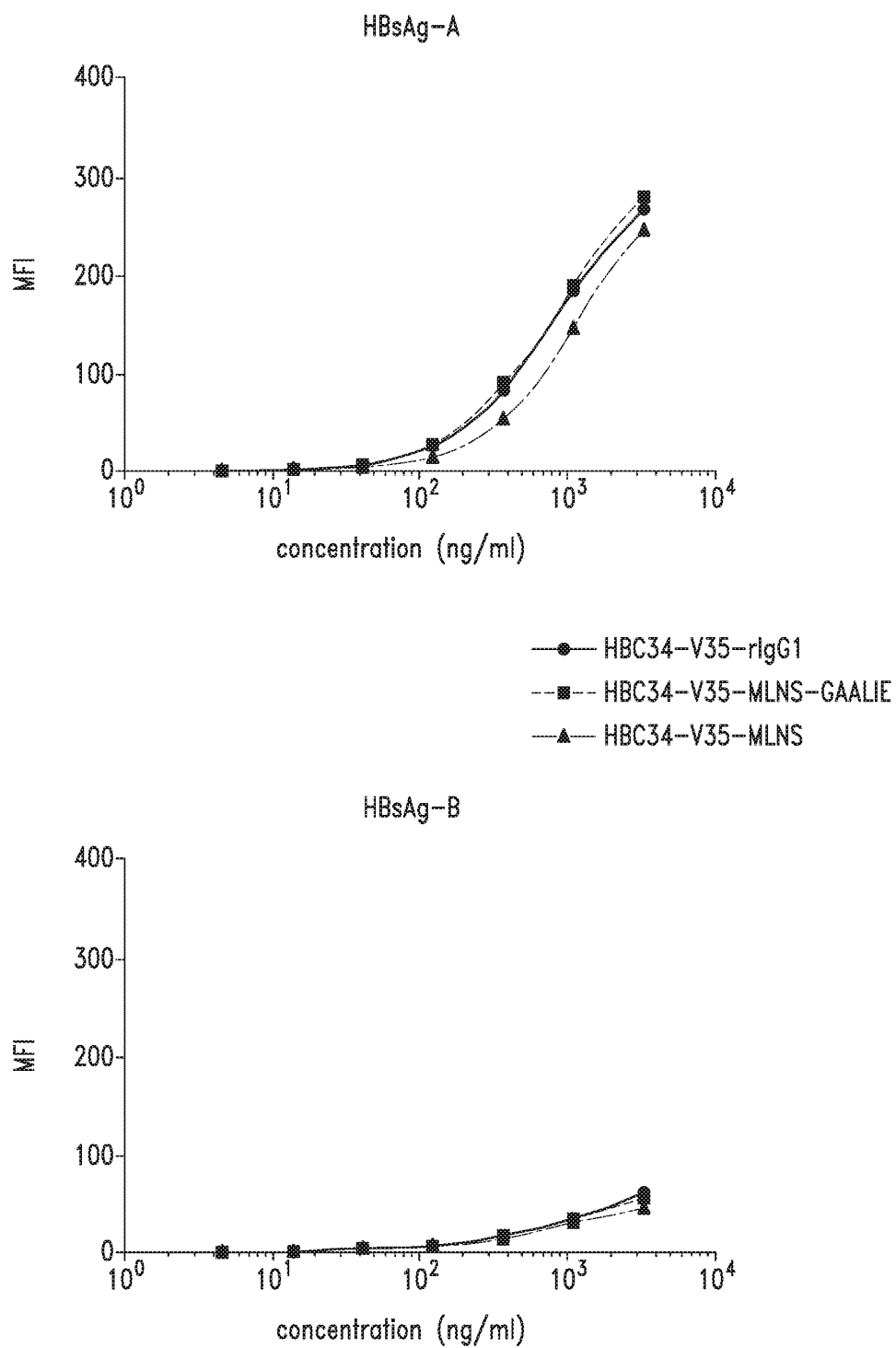


FIG. 3C

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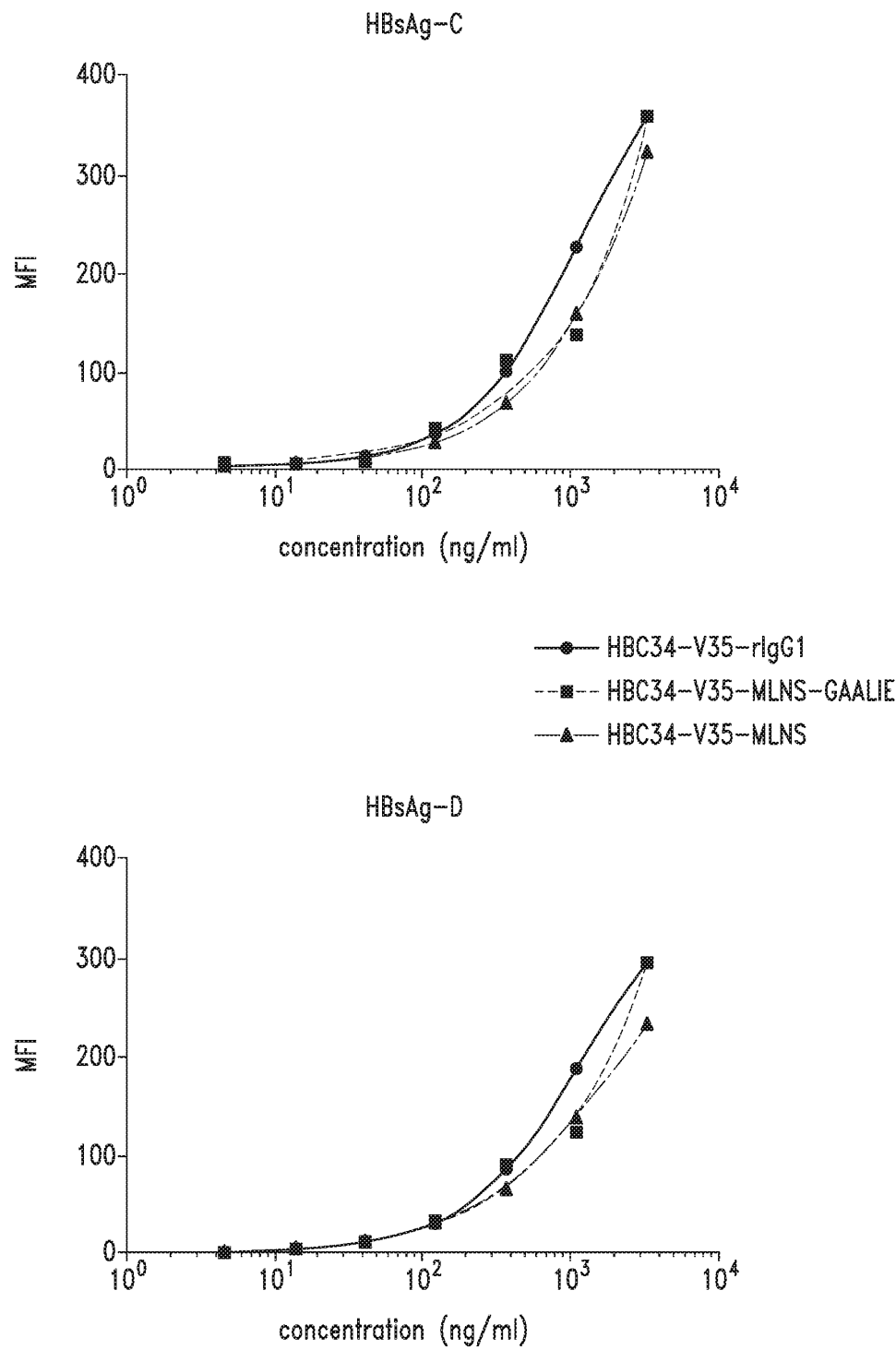


FIG. 3D

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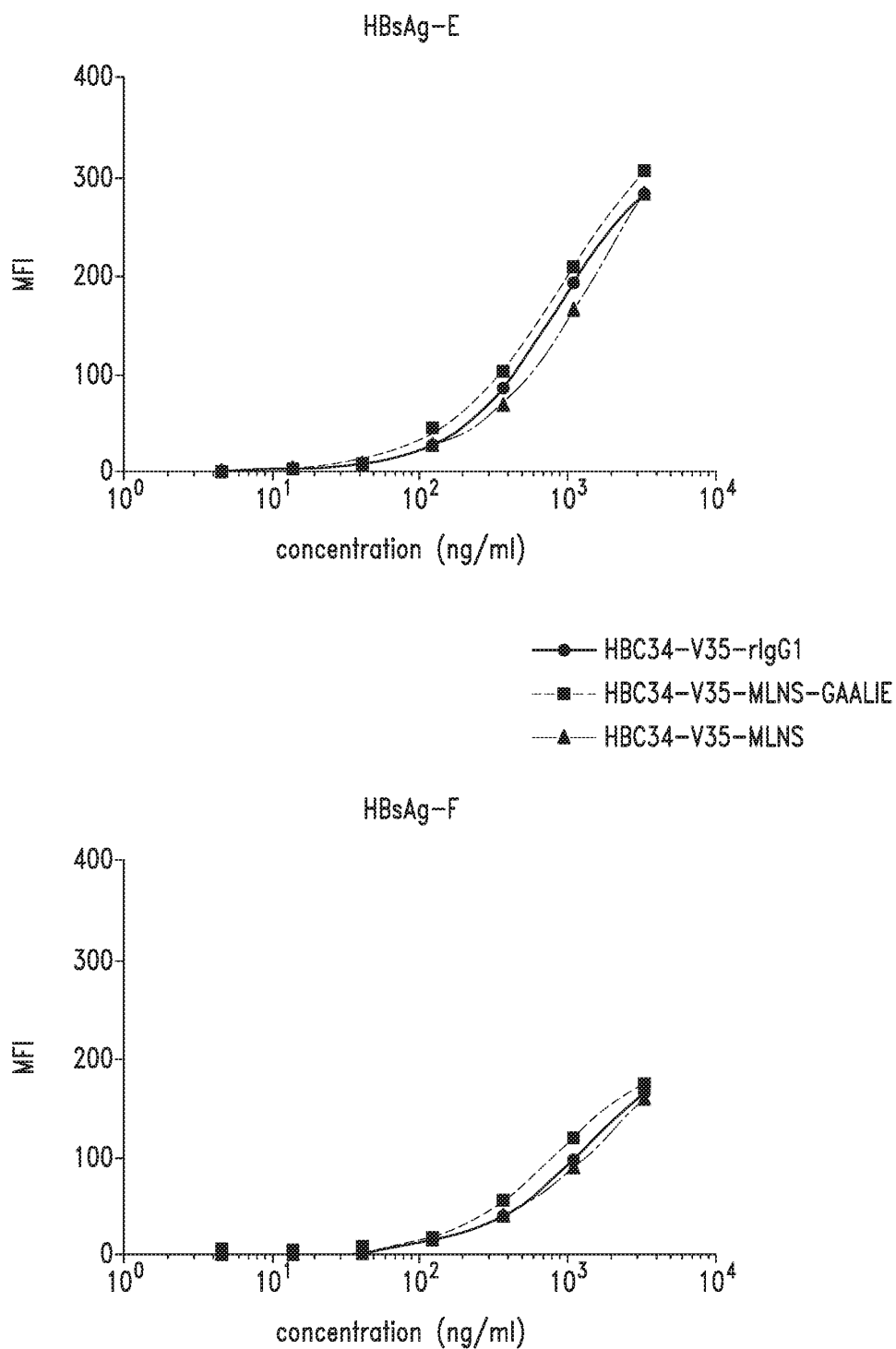


FIG. 3E

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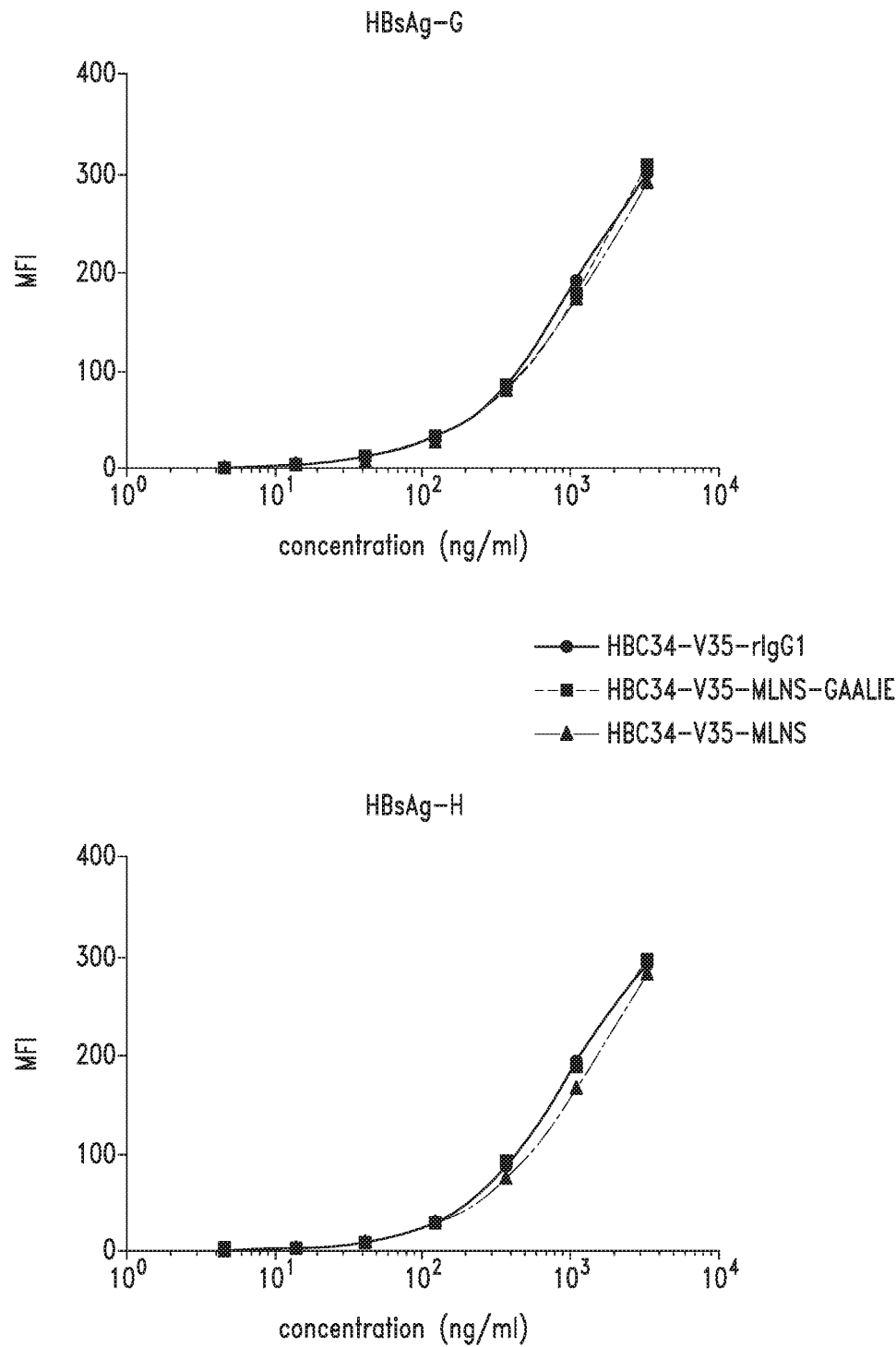


FIG. 3F

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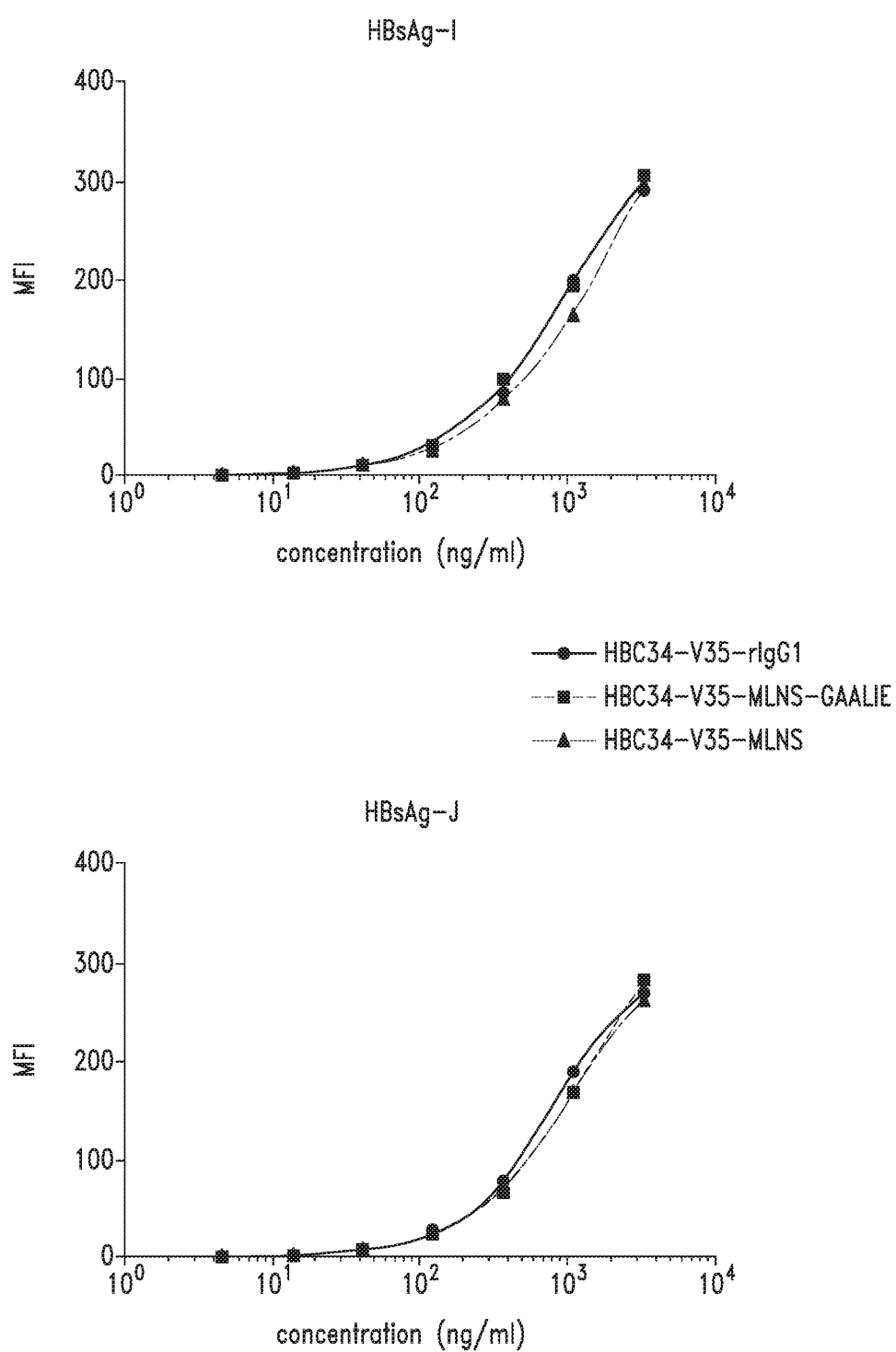


FIG. 3G

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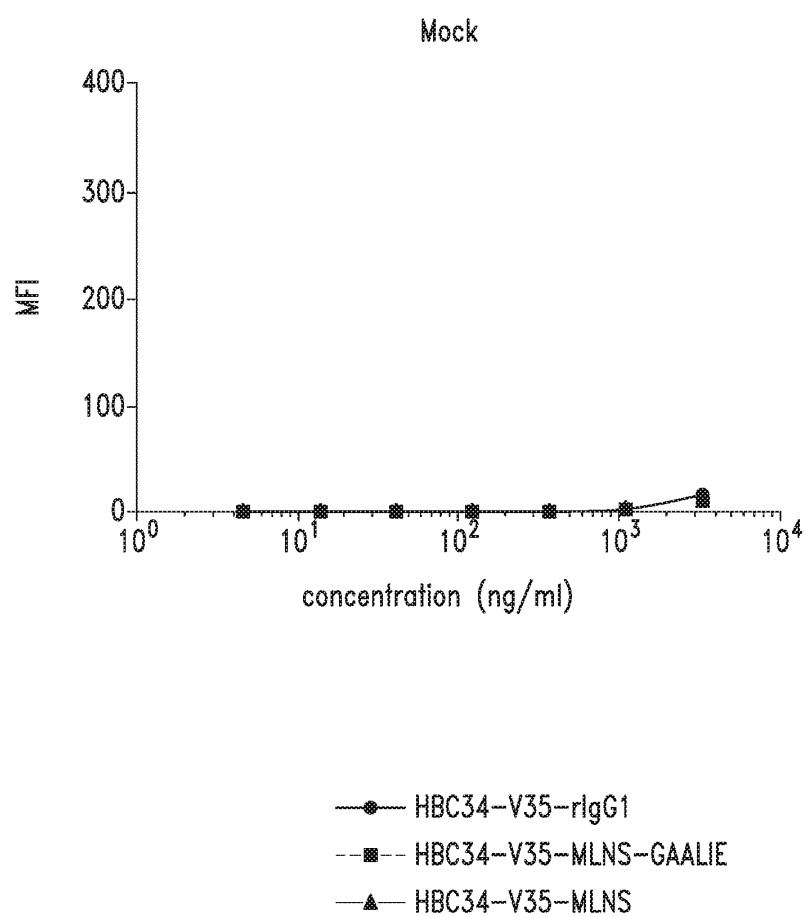


FIG. 3H

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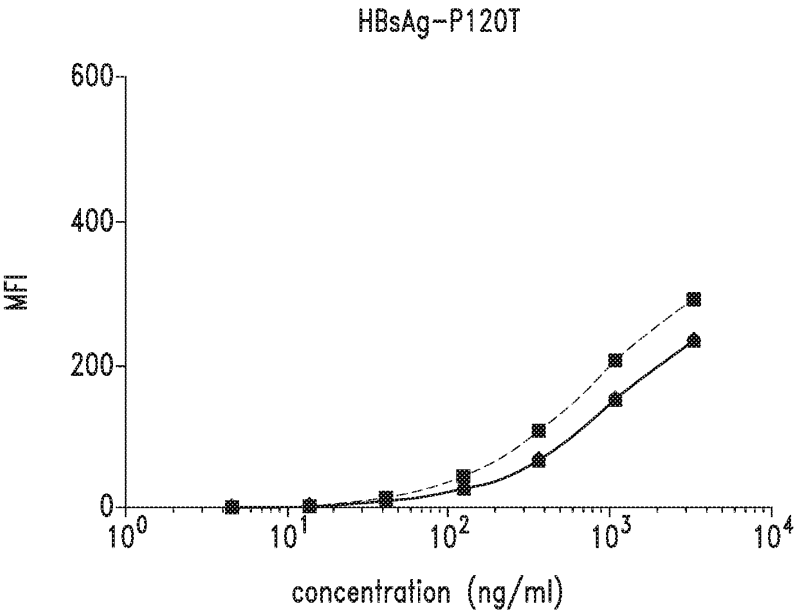
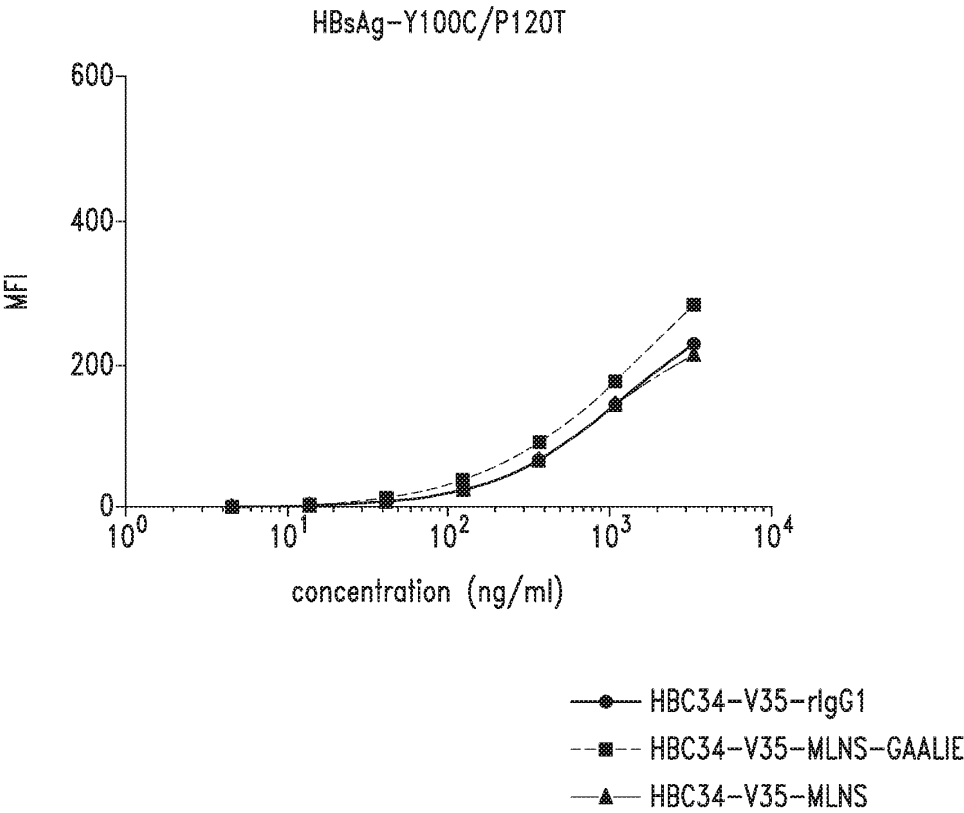


FIG. 3I

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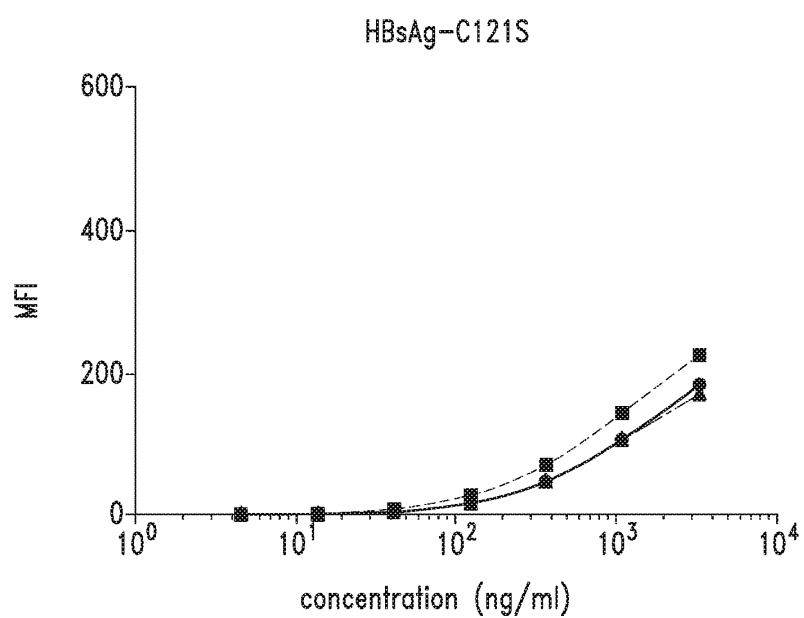
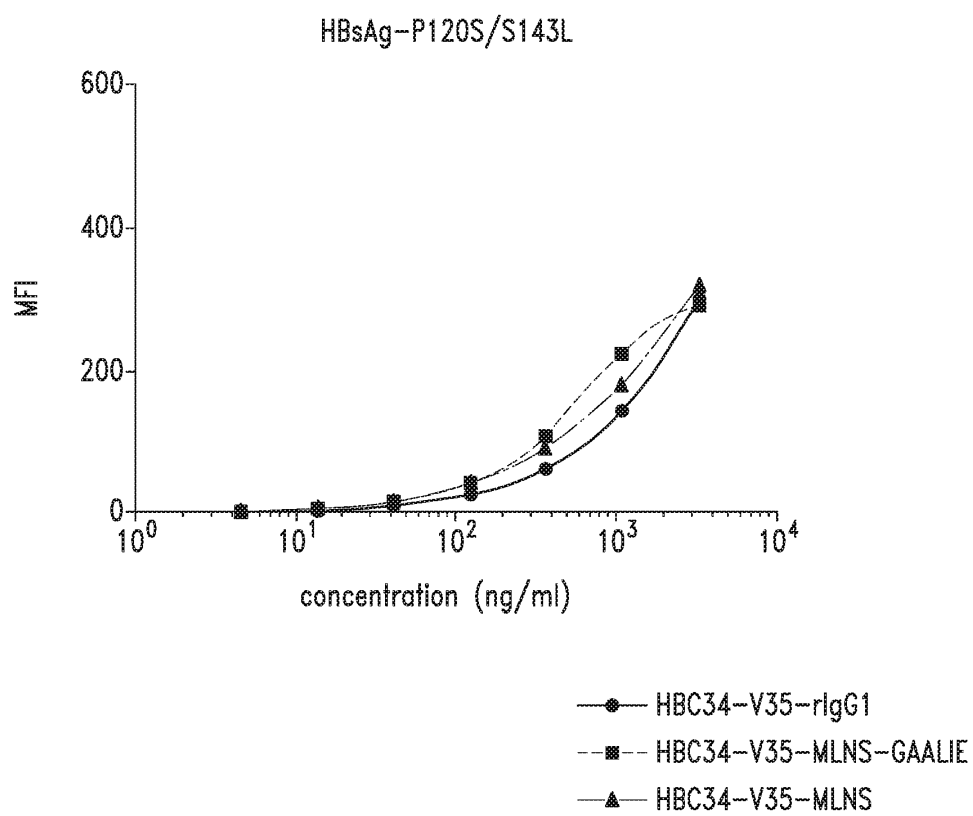


FIG. 3J

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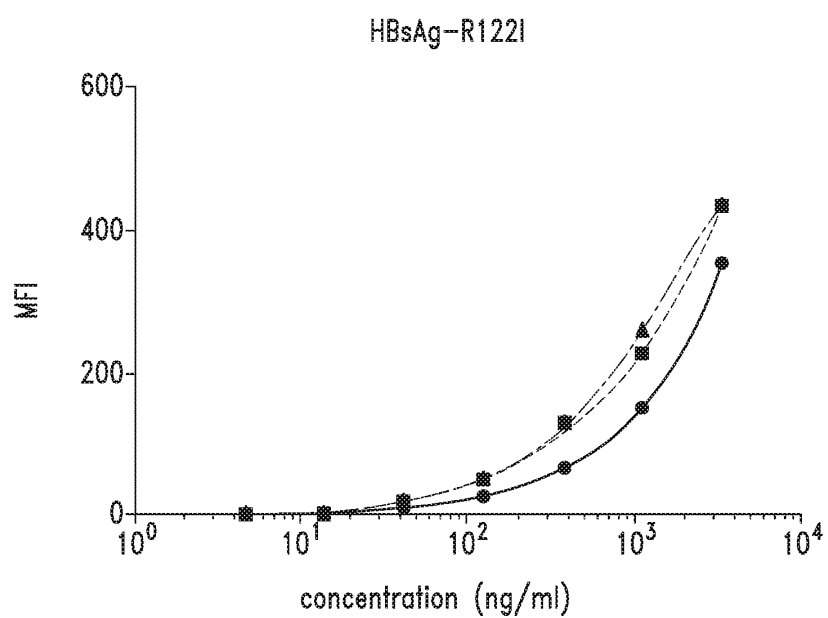
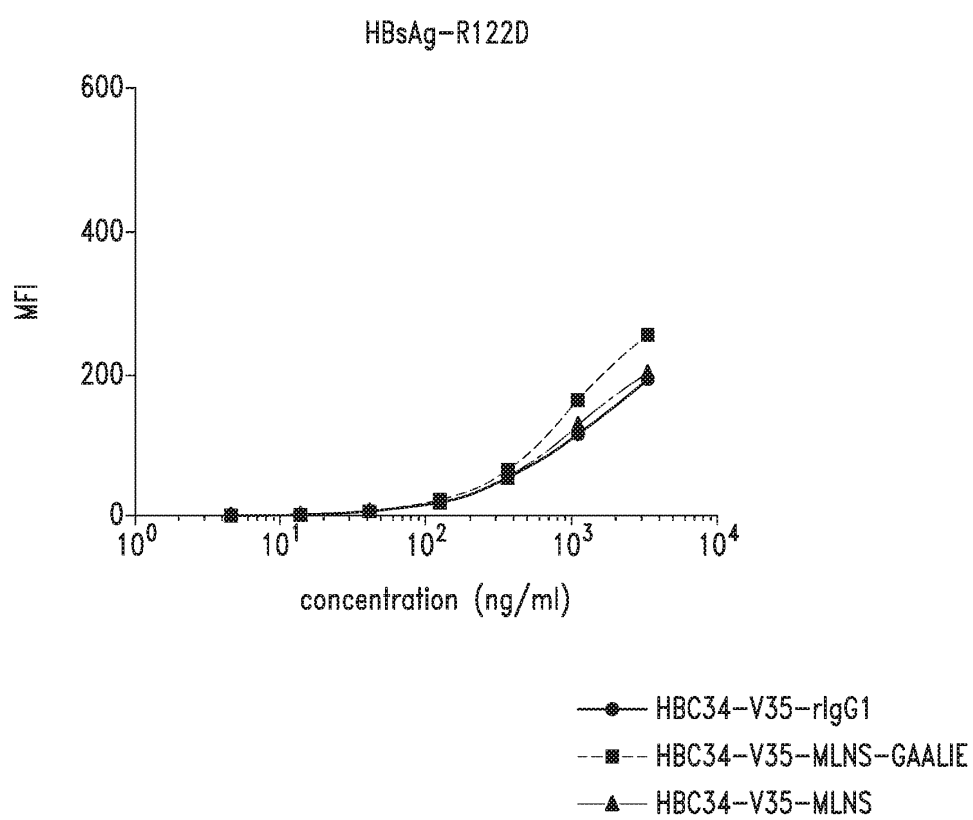


FIG. 3K

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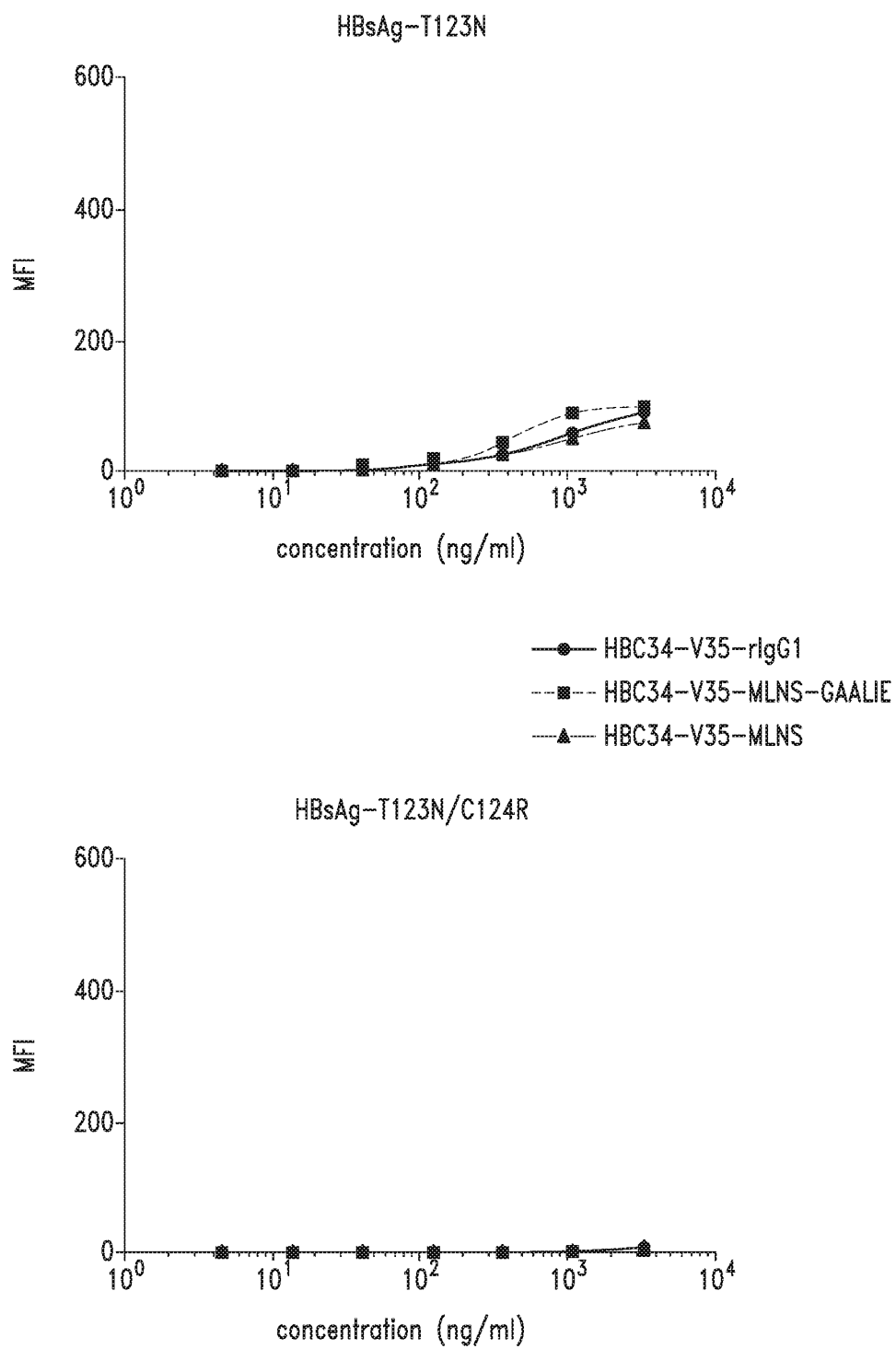


FIG. 3L

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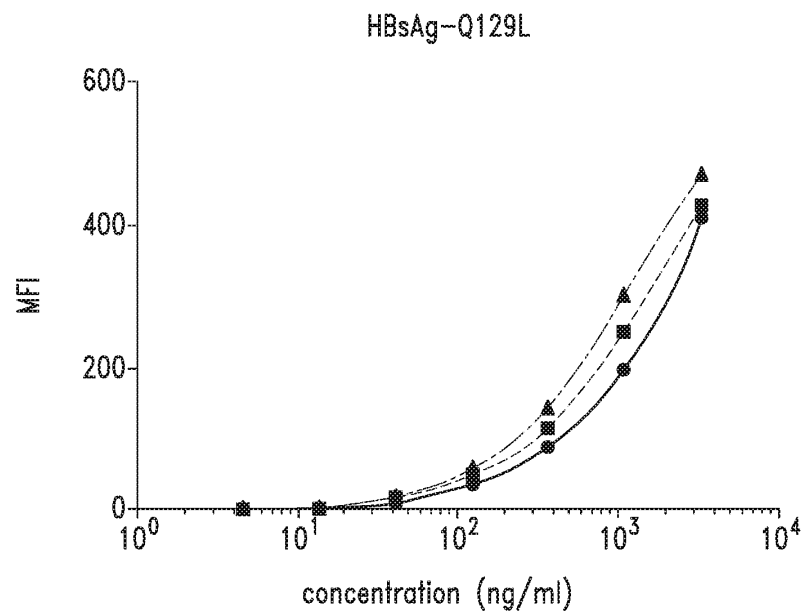
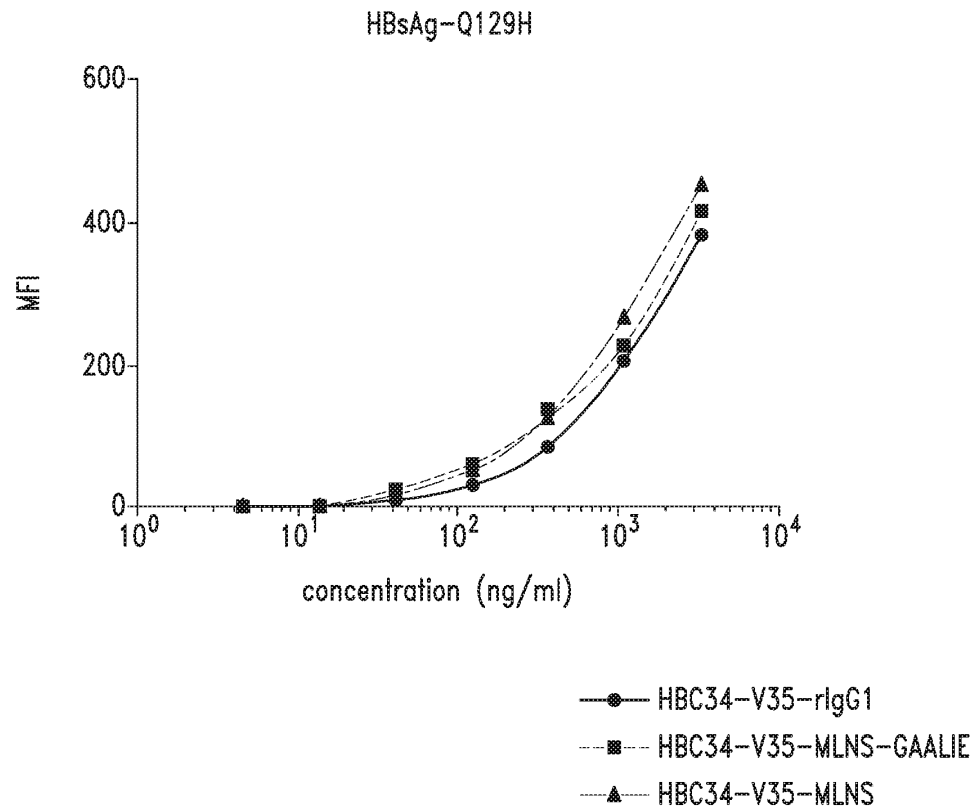


FIG. 3M

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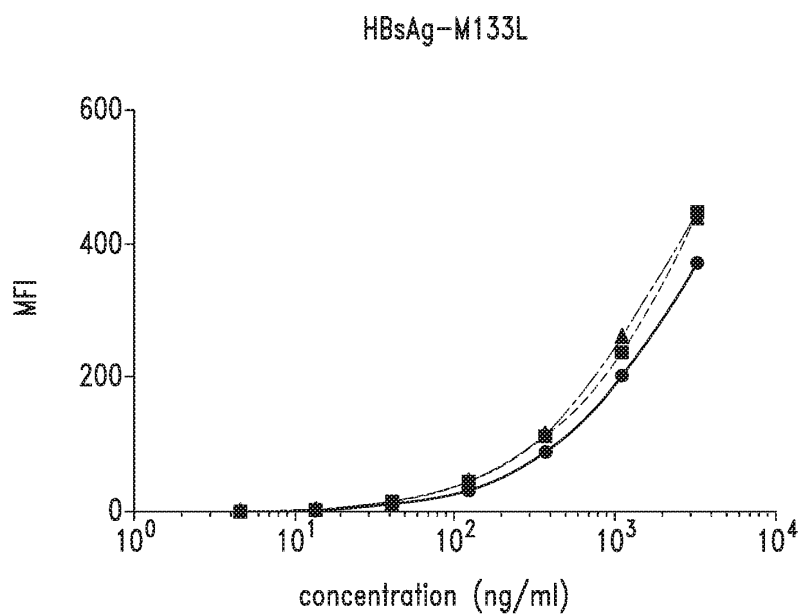
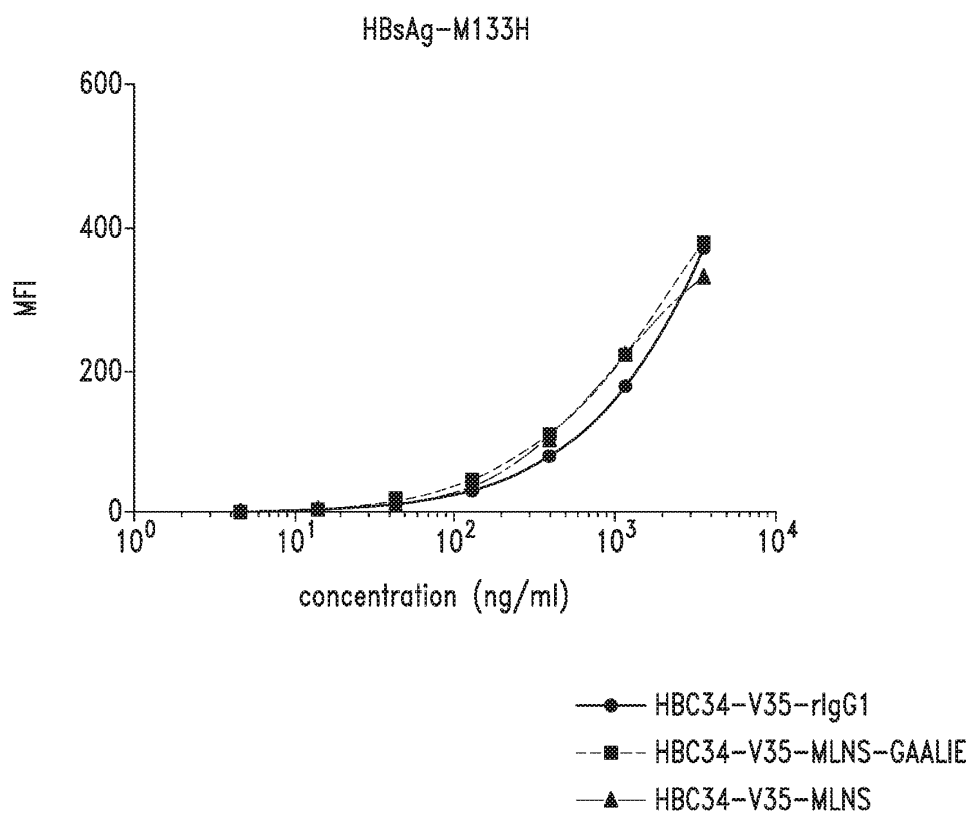


FIG. 3N

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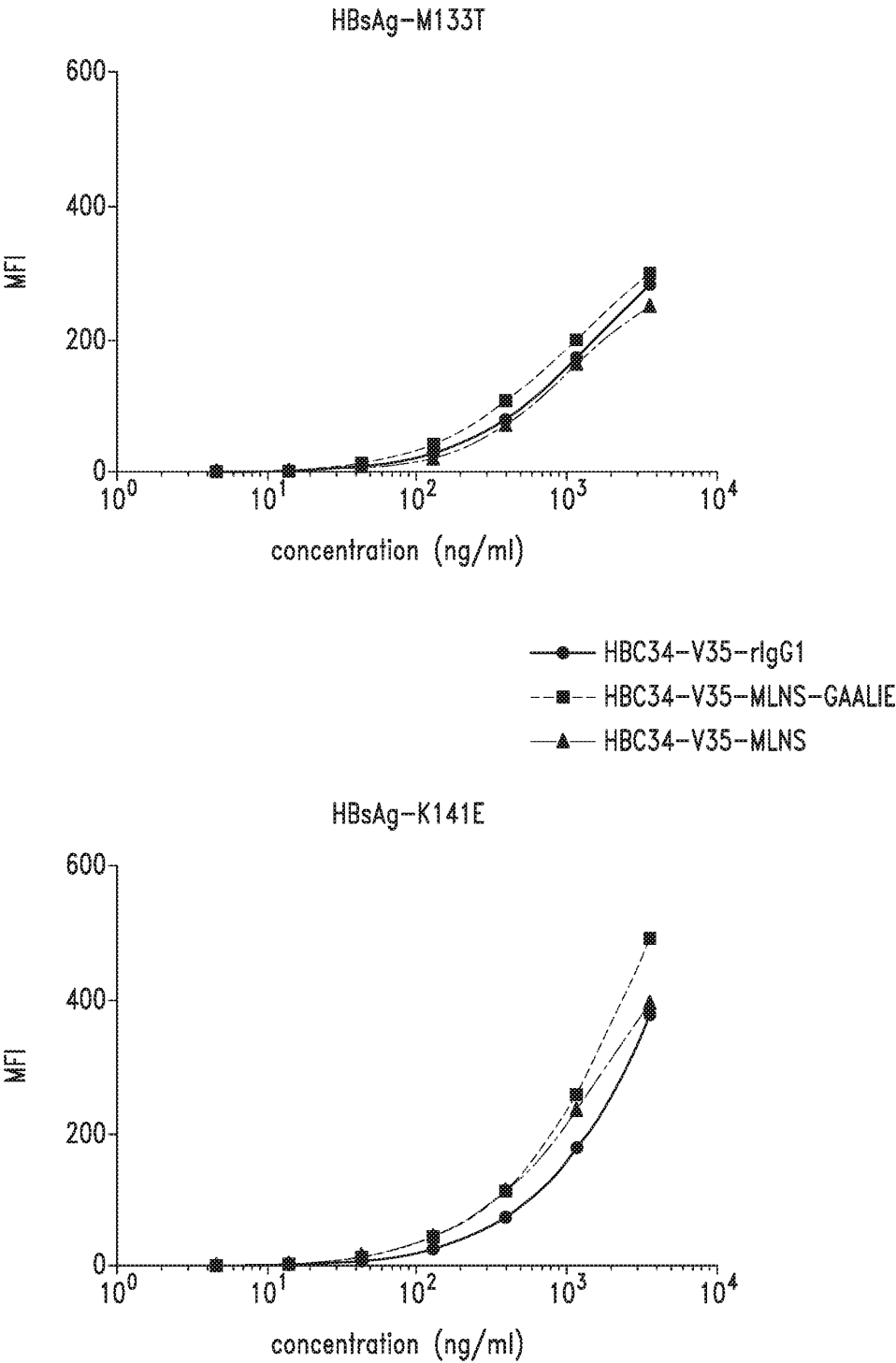


FIG. 30

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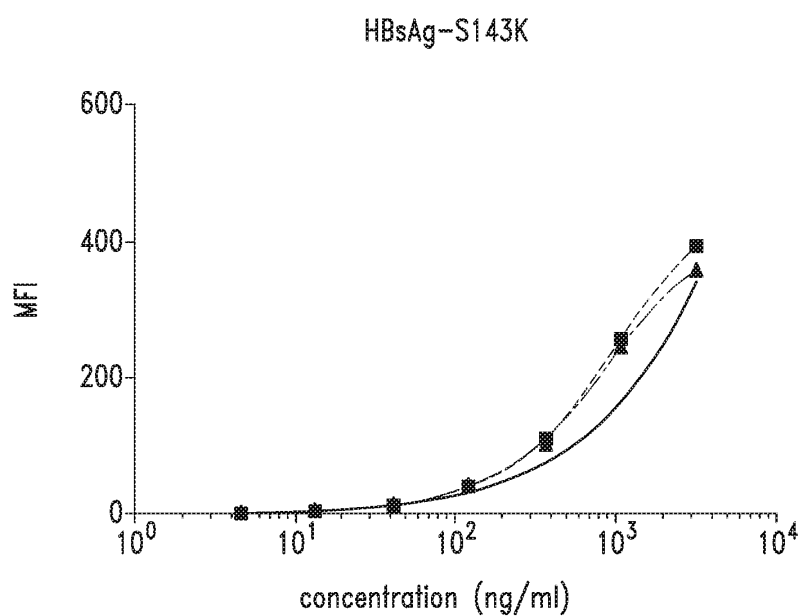
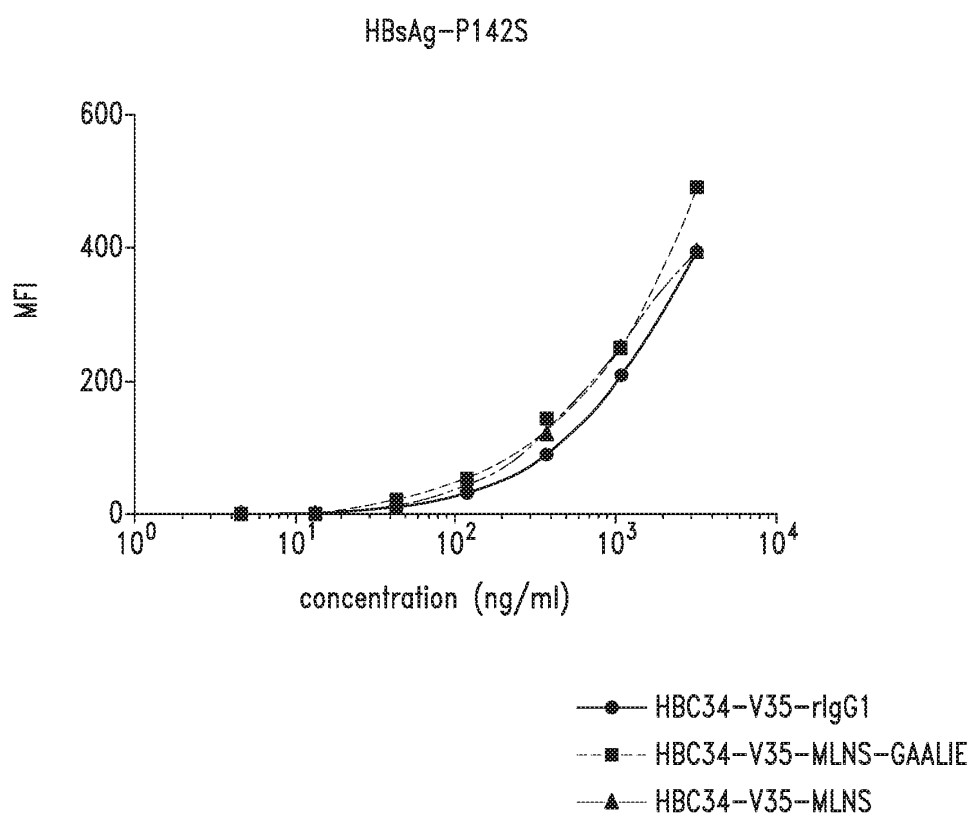


FIG. 3P

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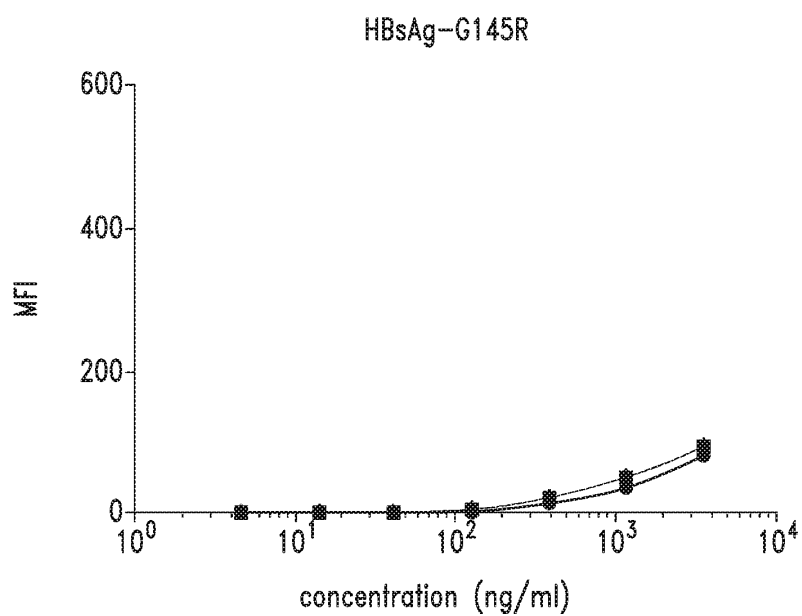
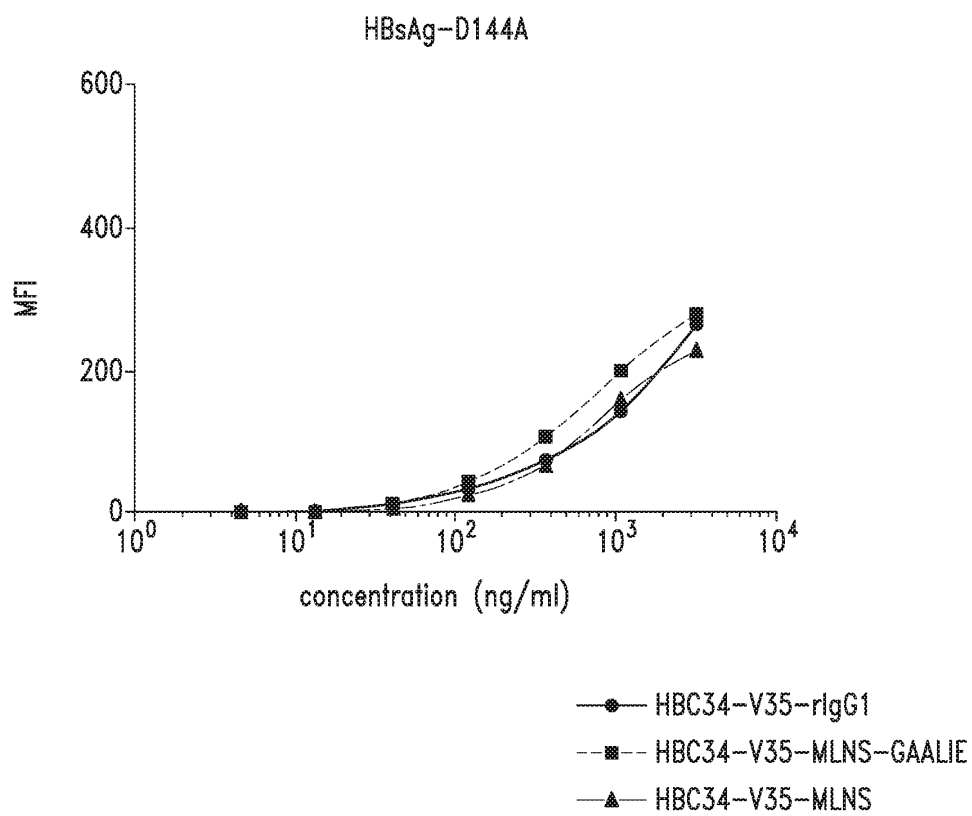


FIG. 3Q

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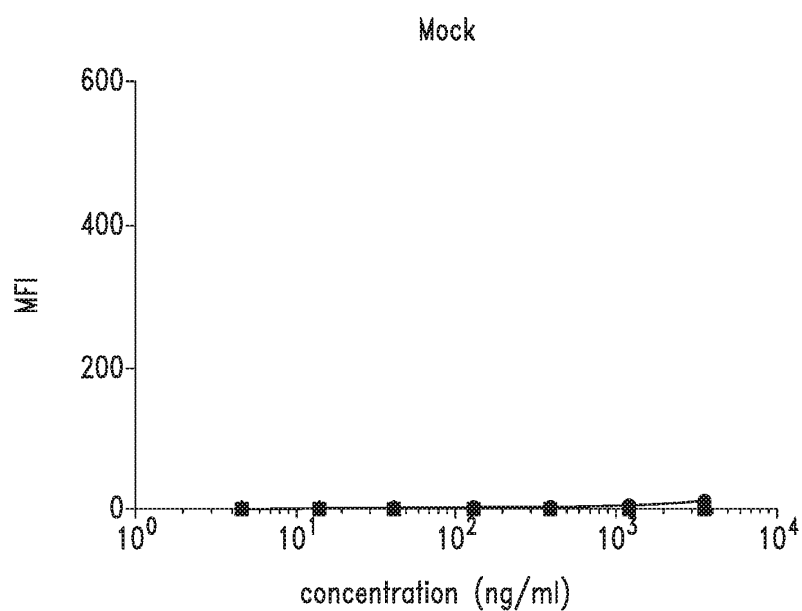
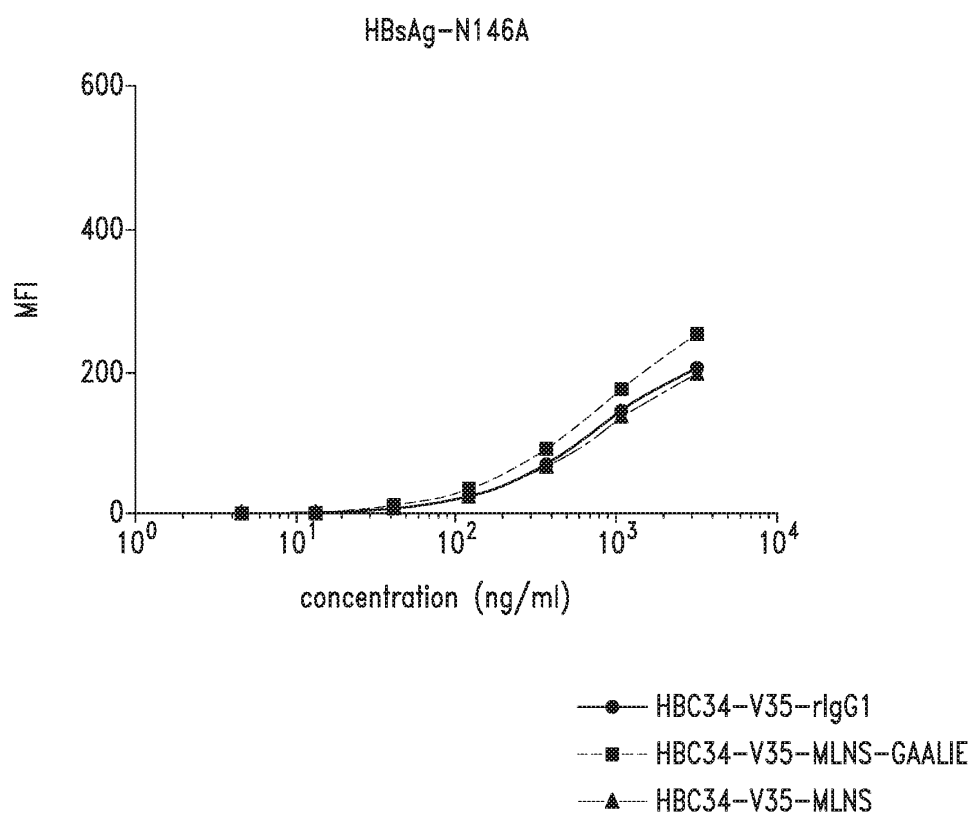


FIG. 3R

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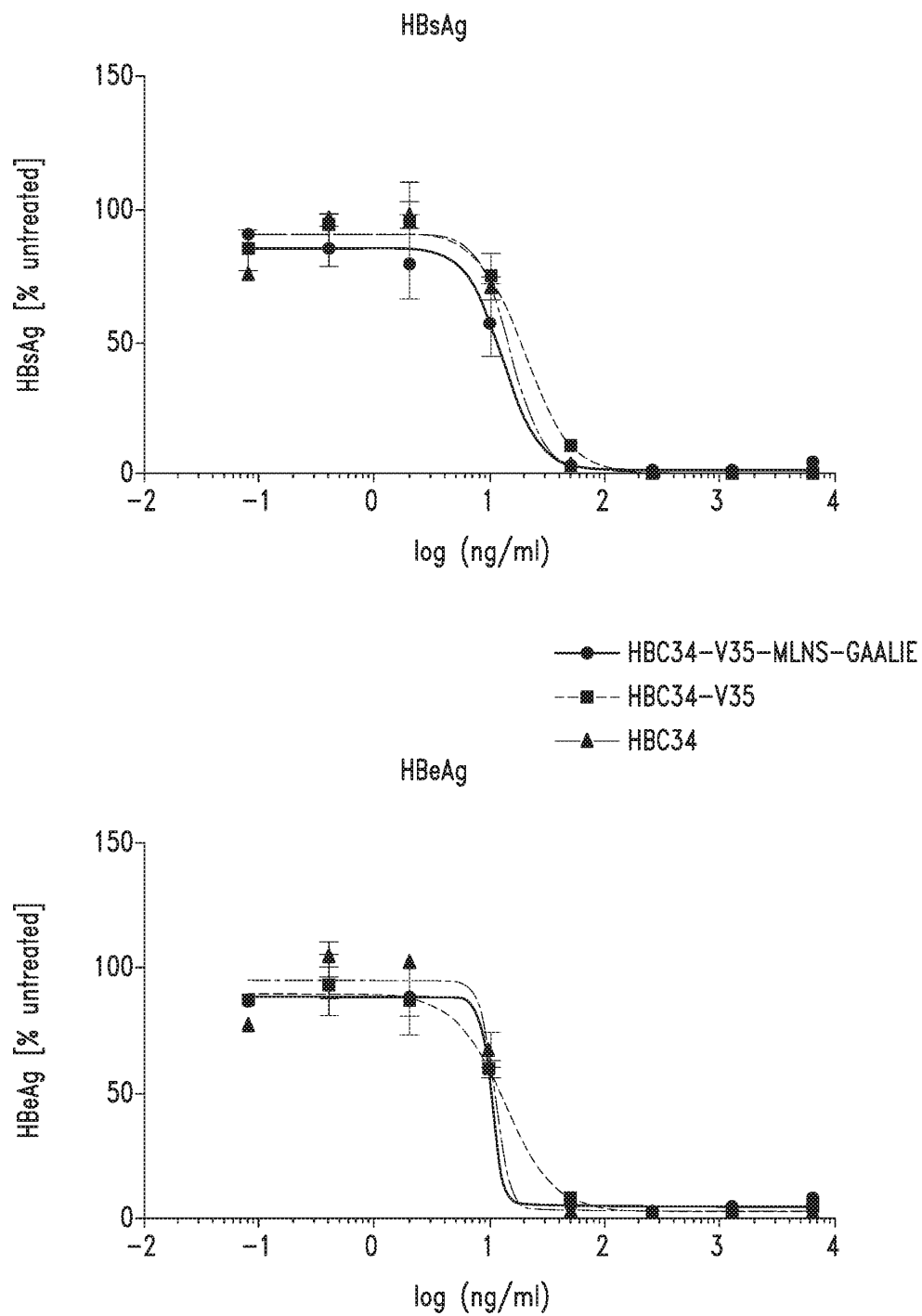


FIG. 3S

| Antibody              | HBsAg                    | HBeAg                    |
|-----------------------|--------------------------|--------------------------|
|                       | EC <sub>50</sub> (ng/mL) | EC <sub>50</sub> (ng/mL) |
| HBC34                 | 13.64 (12.28–15.15)      | 11.67 (11.3–12.05)       |
| HBC34–V35             | 17.97 (16.22–19.9)       | 12.61 (11.59–13.72)      |
| HBC34–V35–MLNS–GAALIE | 12.79 (12.75–12.84)      | 10.85 (10.78–10.93)      |

FIG. 3T

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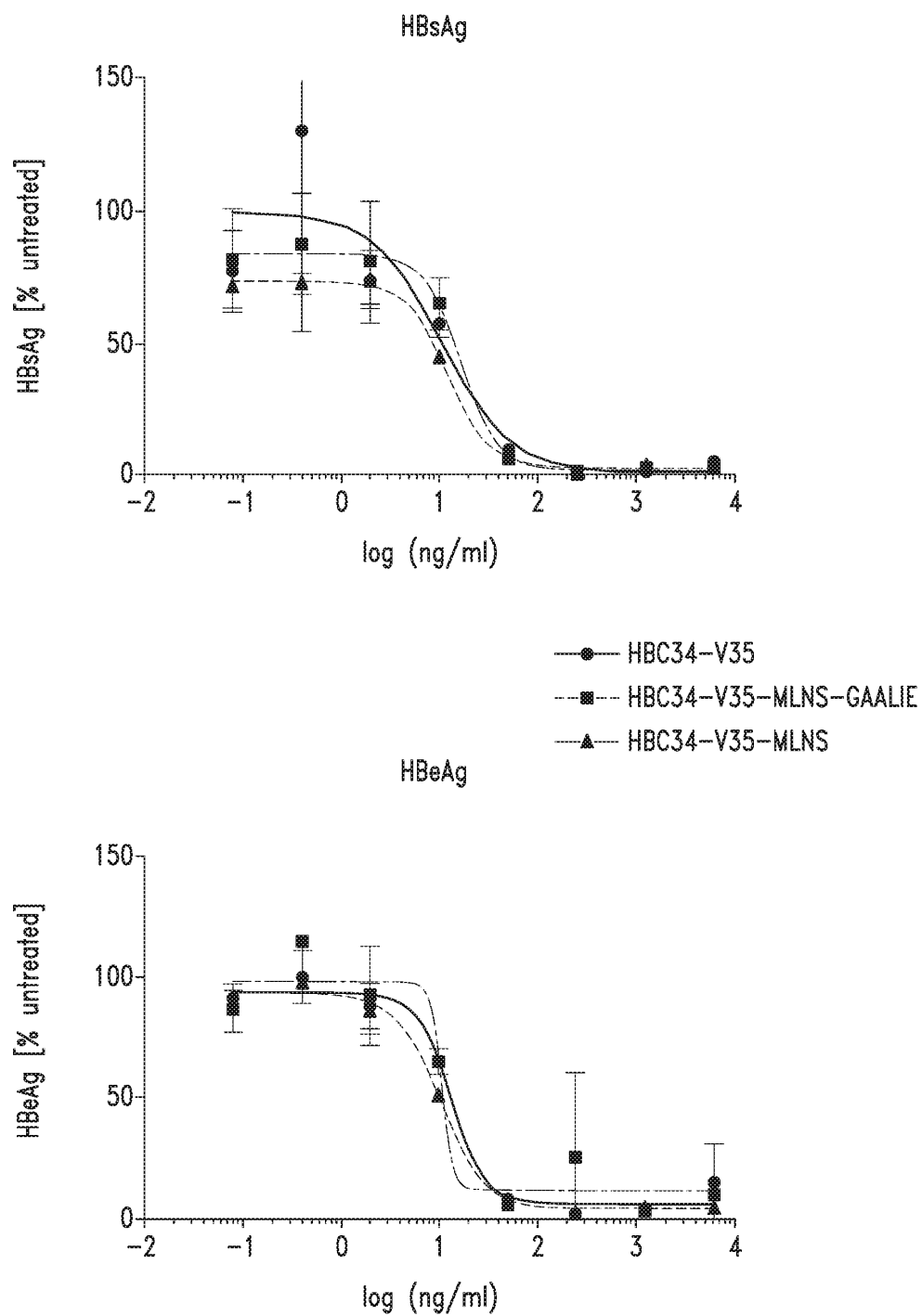


FIG. 3U

| Antibody              | HBsAg                    | HBeAg                    |
|-----------------------|--------------------------|--------------------------|
|                       | EC <sub>50</sub> (ng/mL) | EC <sub>50</sub> (ng/mL) |
| HBC34-V35-MLNS-GAALIE | 15.12 (13.81–16.56)      | 10.64 (10.63–10.66)      |
| HBC34-V35-MLNS        | 16.56 (12.24–22.41)      | 10.49 (10.39–10.60)      |
| HBC34-V35             | 14.47 (10.43–20.08)      | 13.61 (13.25–13.99)      |

The geometric mean and range (in brackets) of EC<sub>50</sub> values determined in two independent experiments

FIG. 3V

| Genotype | EC <sub>50</sub> (ng/ml) |
|----------|--------------------------|
| A        | 2.34                     |
| B        | 2.22                     |
| C        | 0.92                     |
| D        | 1.10                     |
| E        | 1.12                     |
| F        | 1.93                     |
| G        | 1.43                     |
| H        | 1.93                     |

FIG. 4

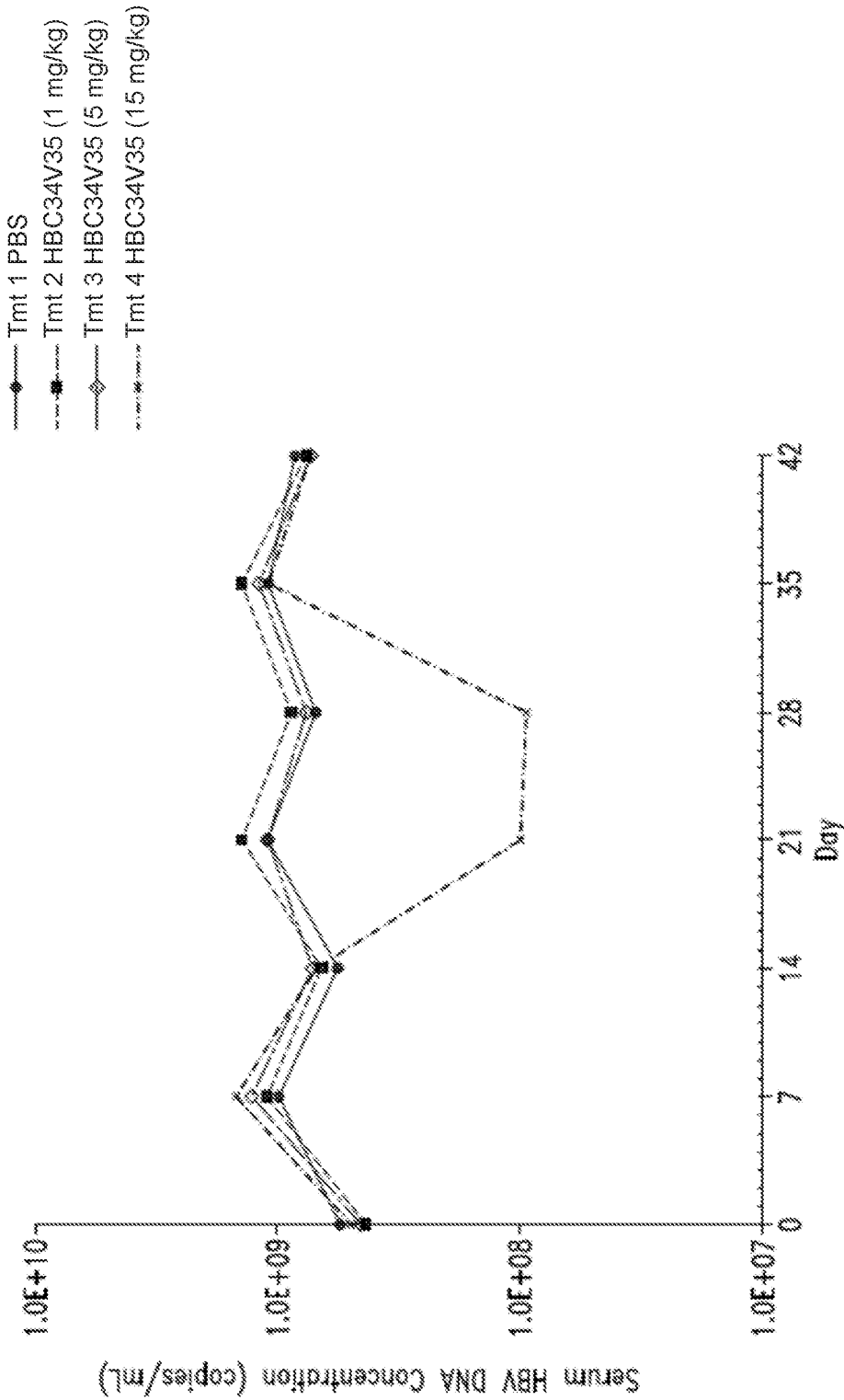


FIG. 5

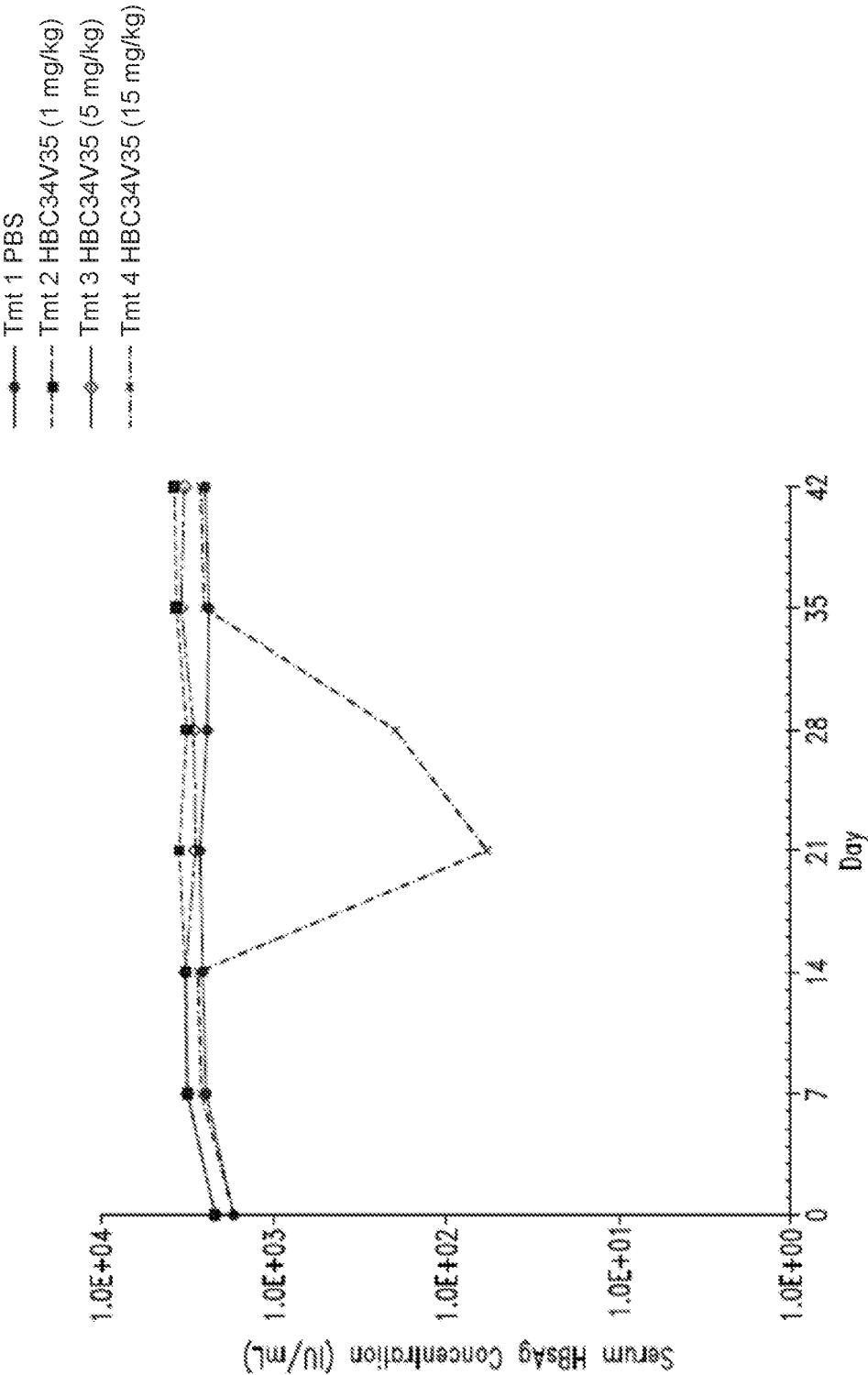


FIG. 6

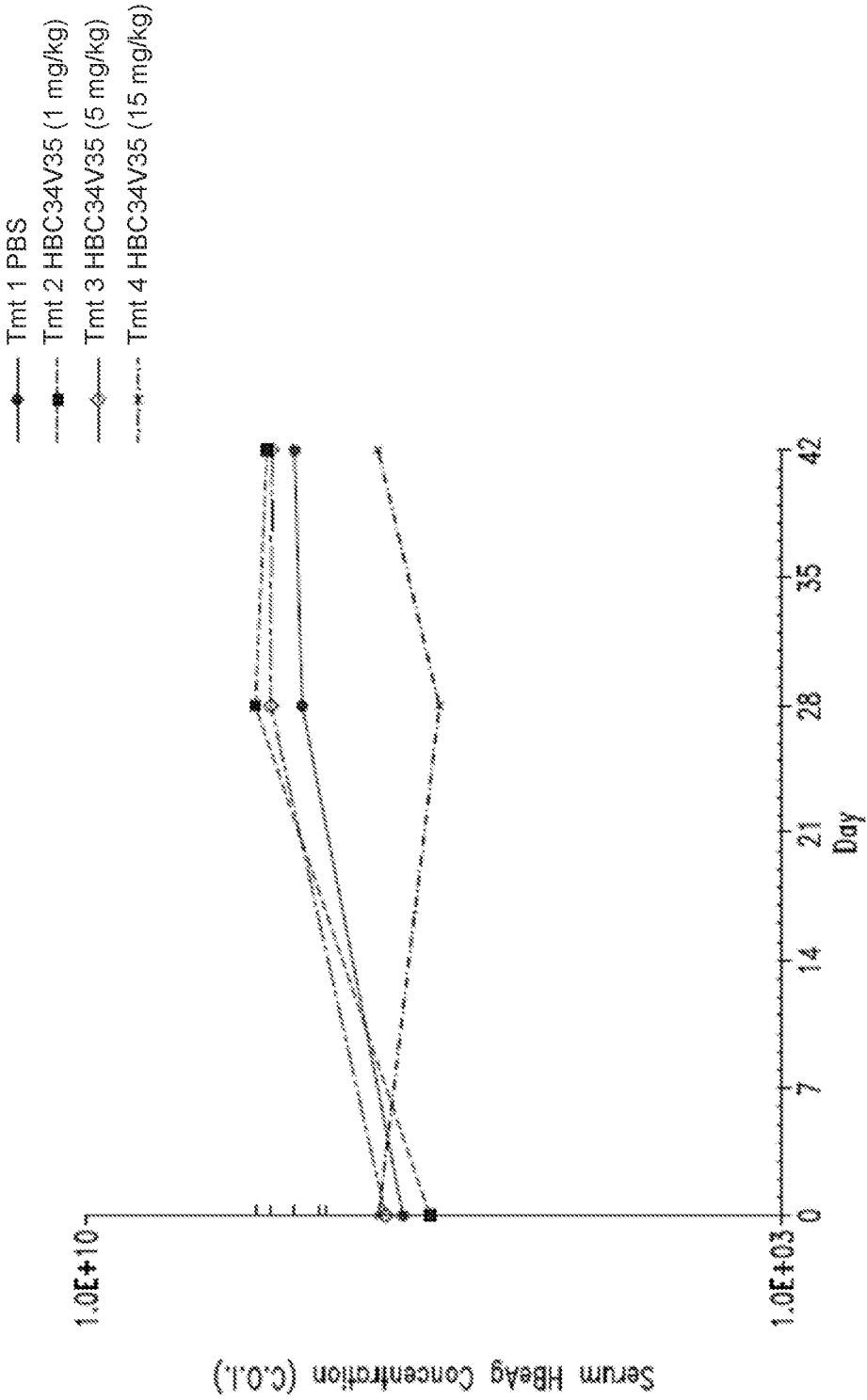


FIG. 7

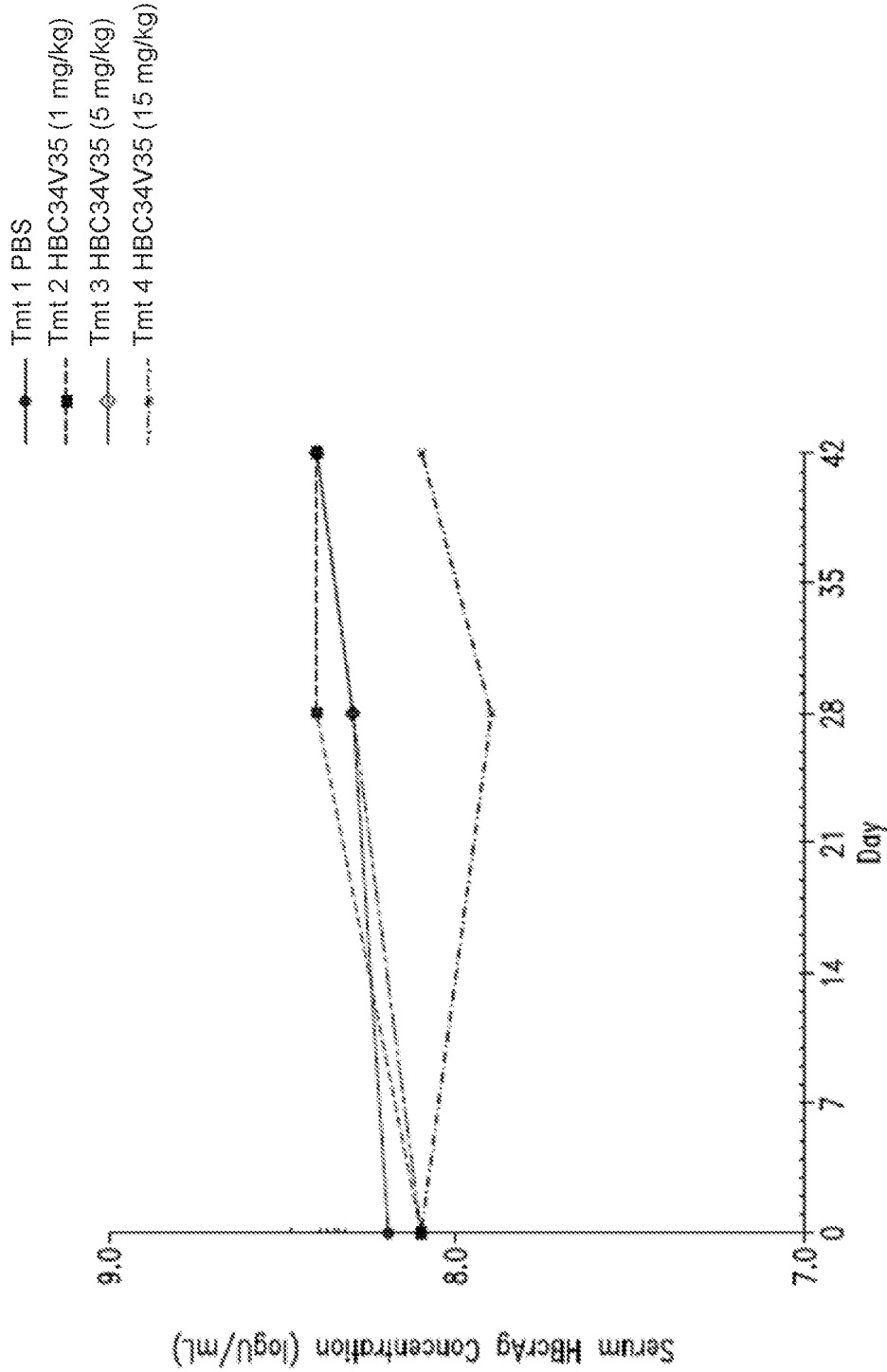
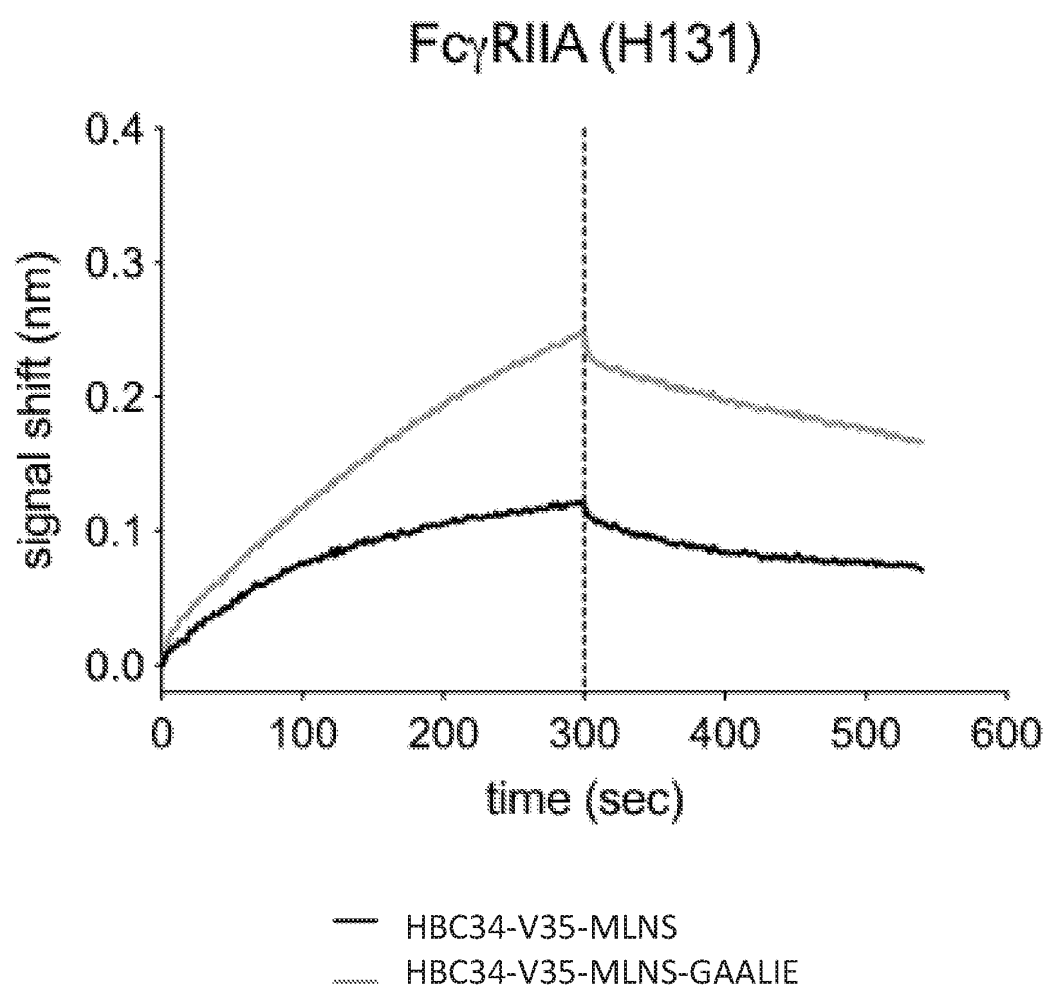
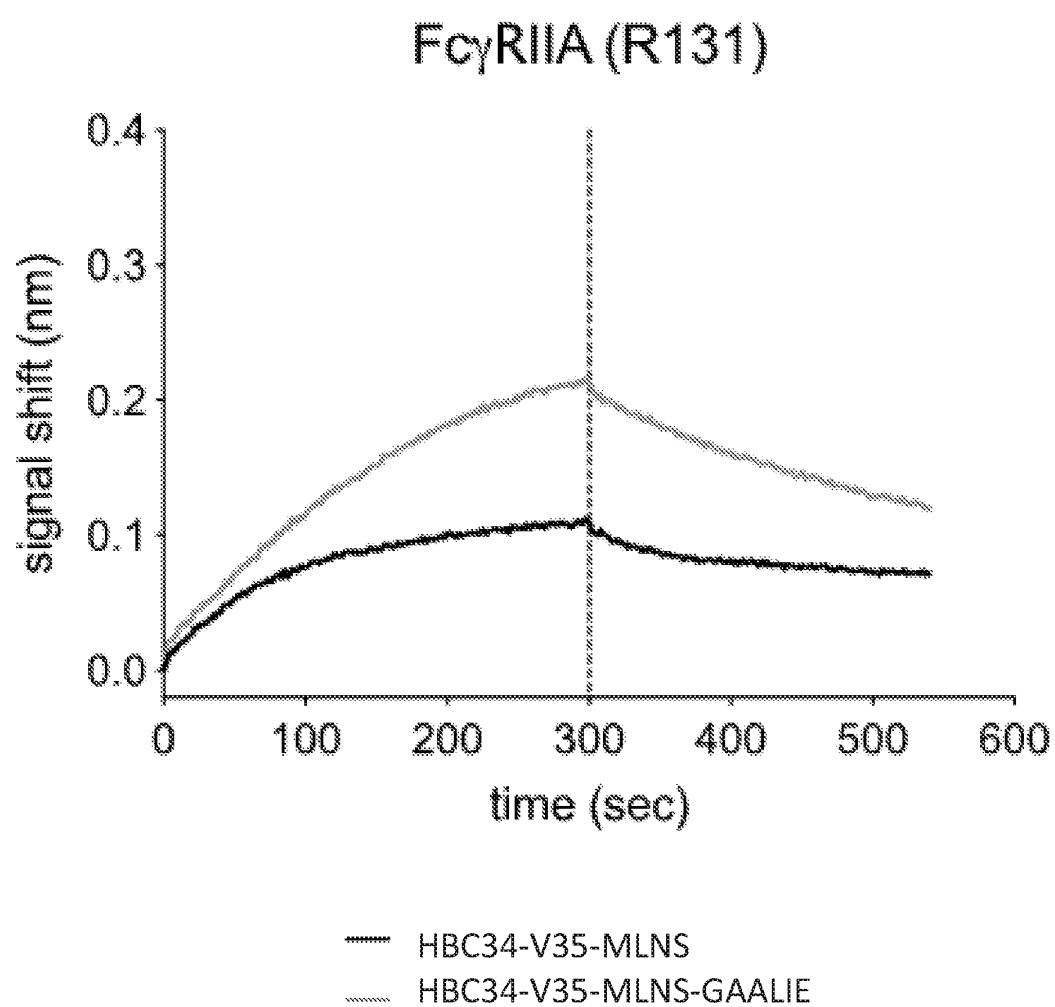


FIG. 8

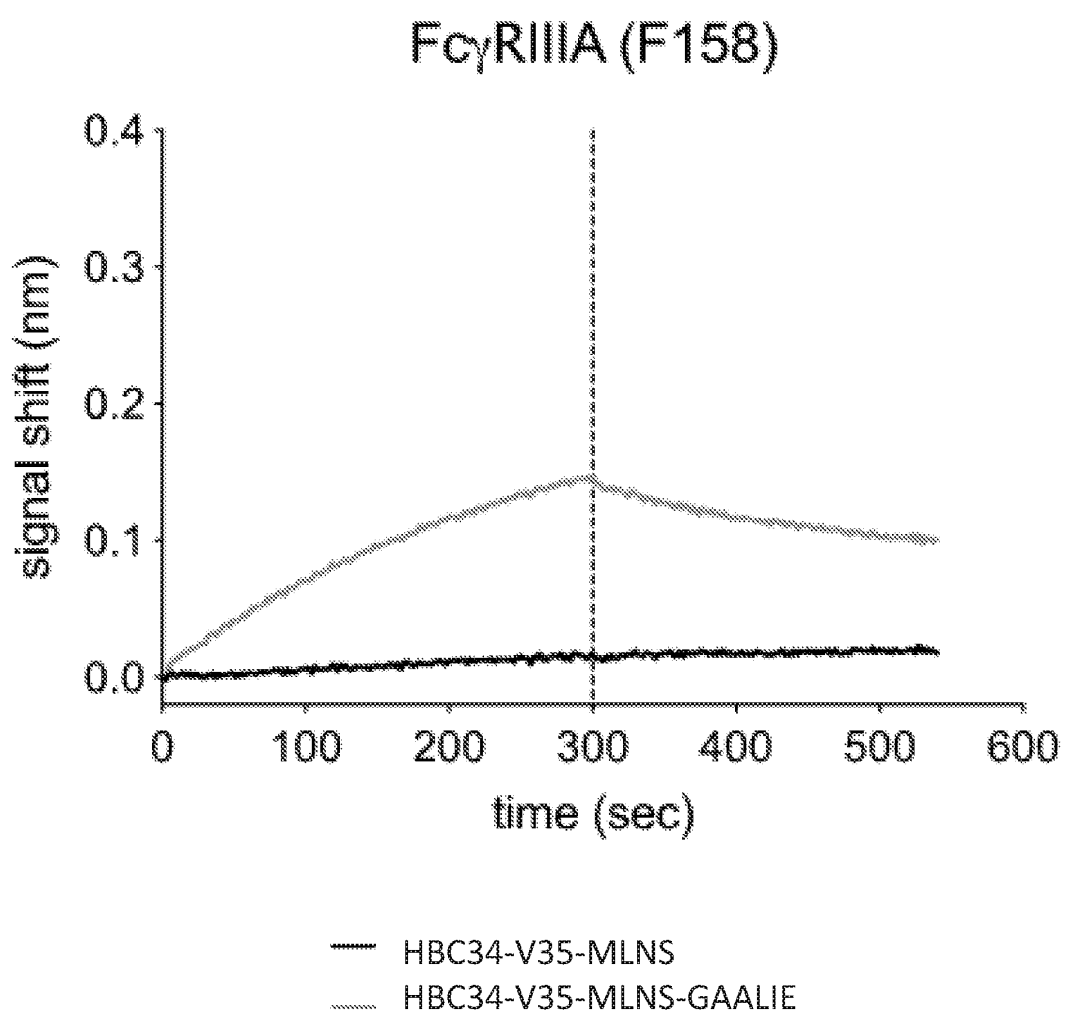
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*FIG. 9A*

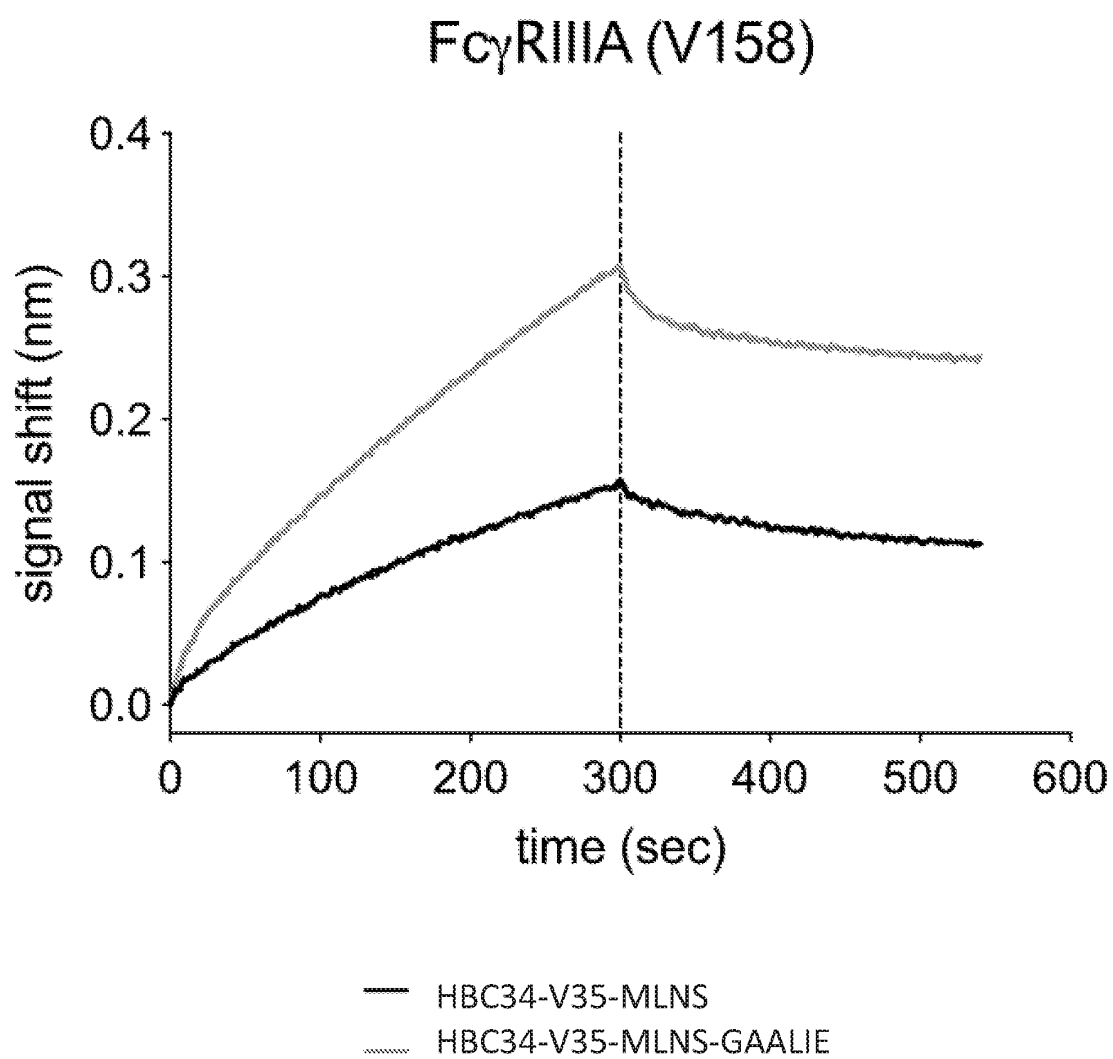
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*FIG. 9B*

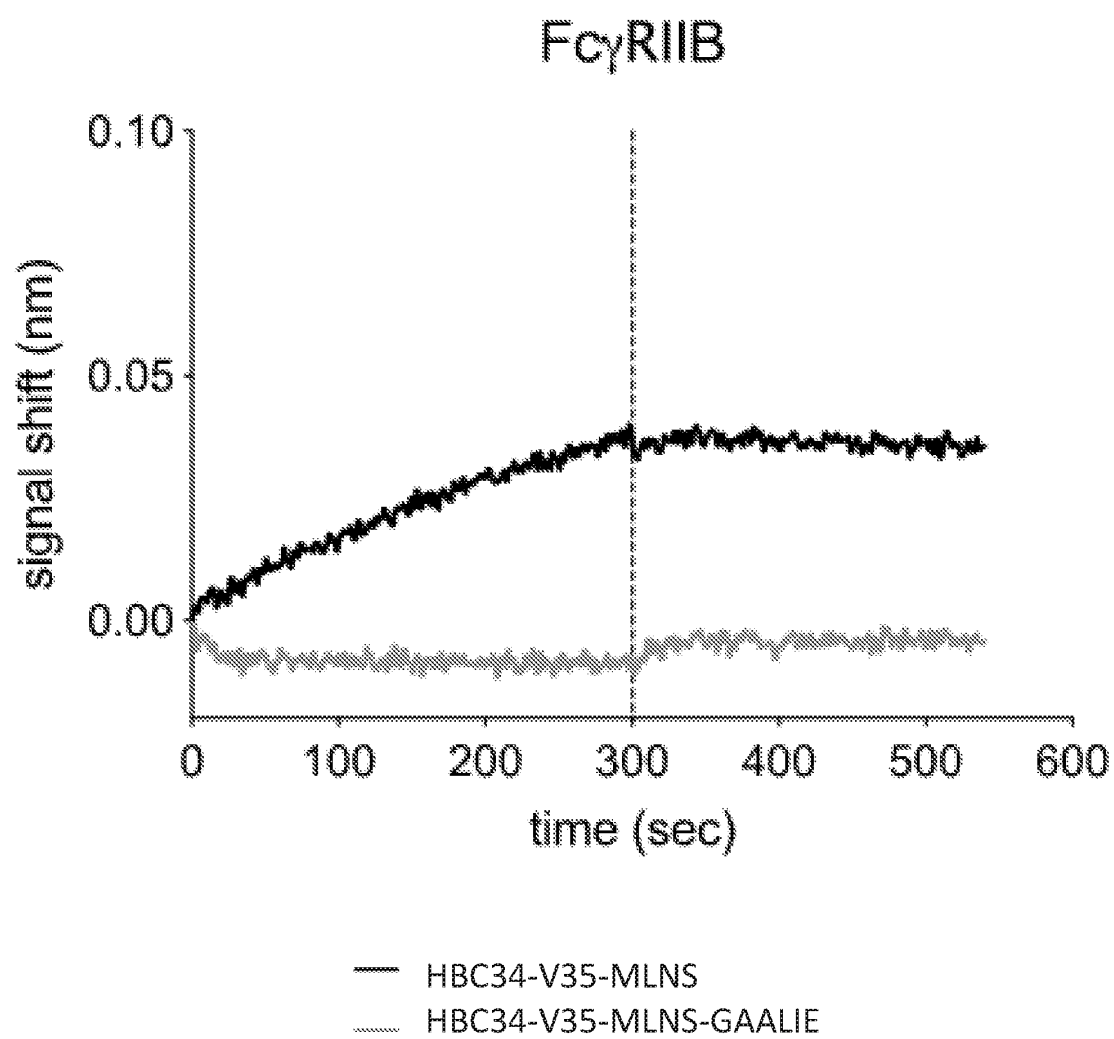
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*FIG. 9C*

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*FIG. 9D*

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*FIG. 9E*

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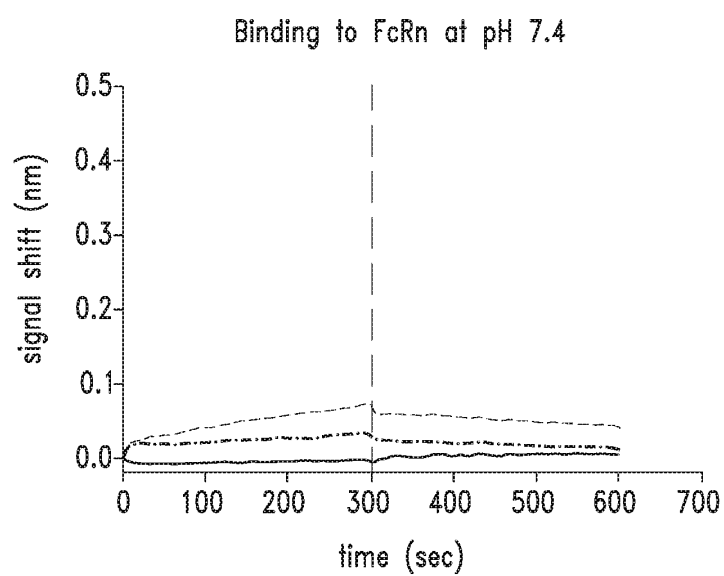
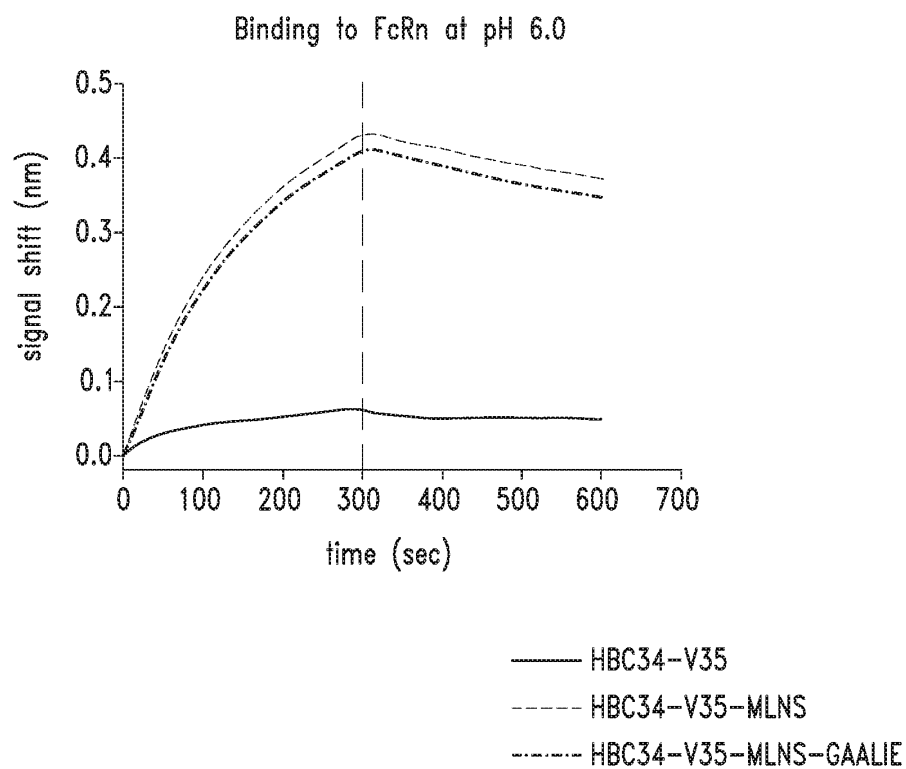
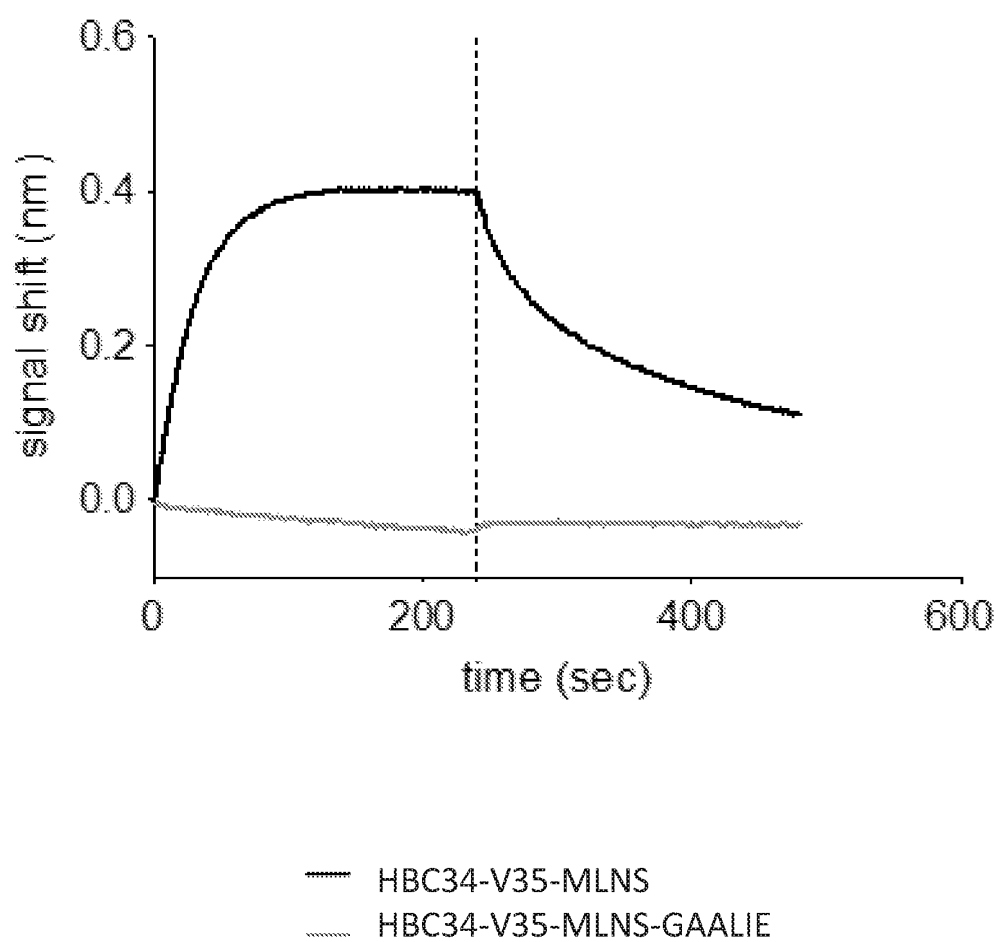


FIG. 9F

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*FIG. 10*

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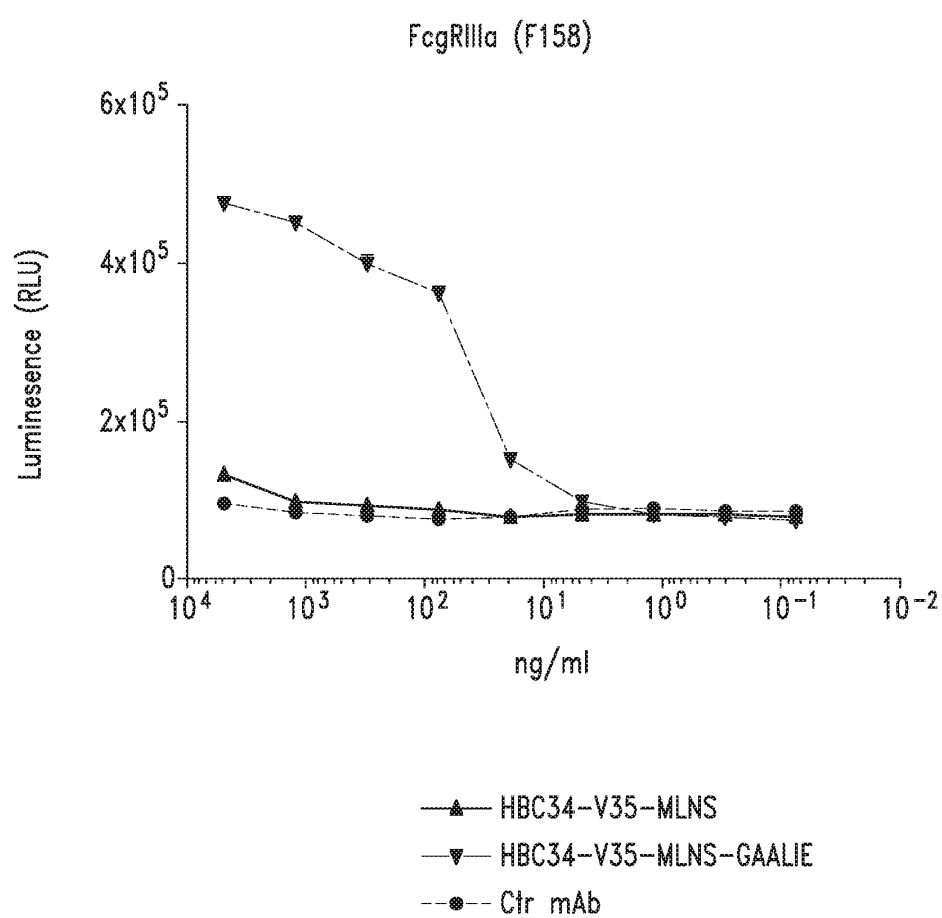


FIG. 11A

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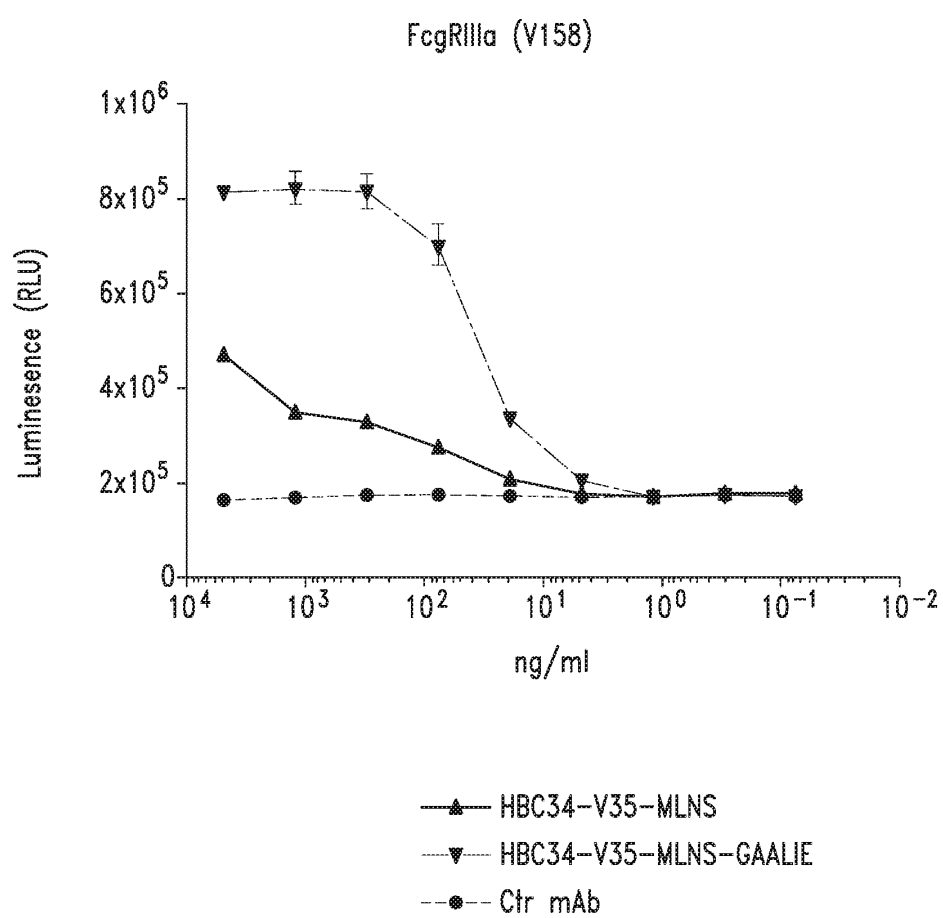


FIG. 11B

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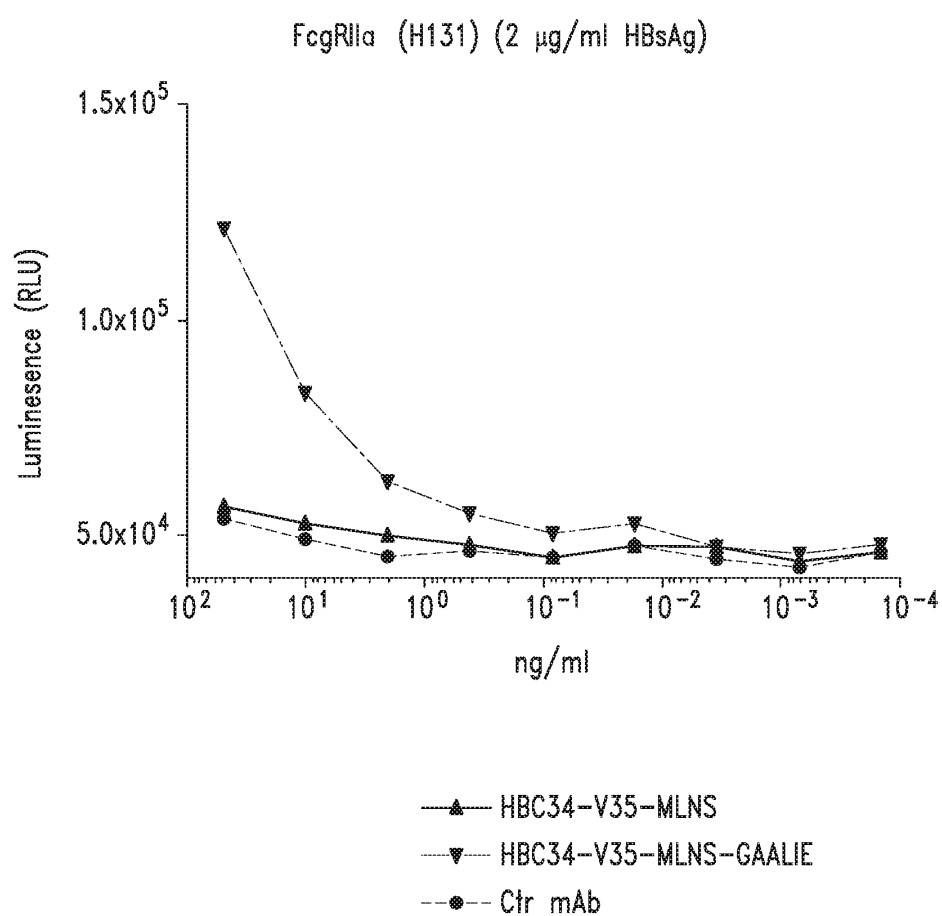


FIG. 12A

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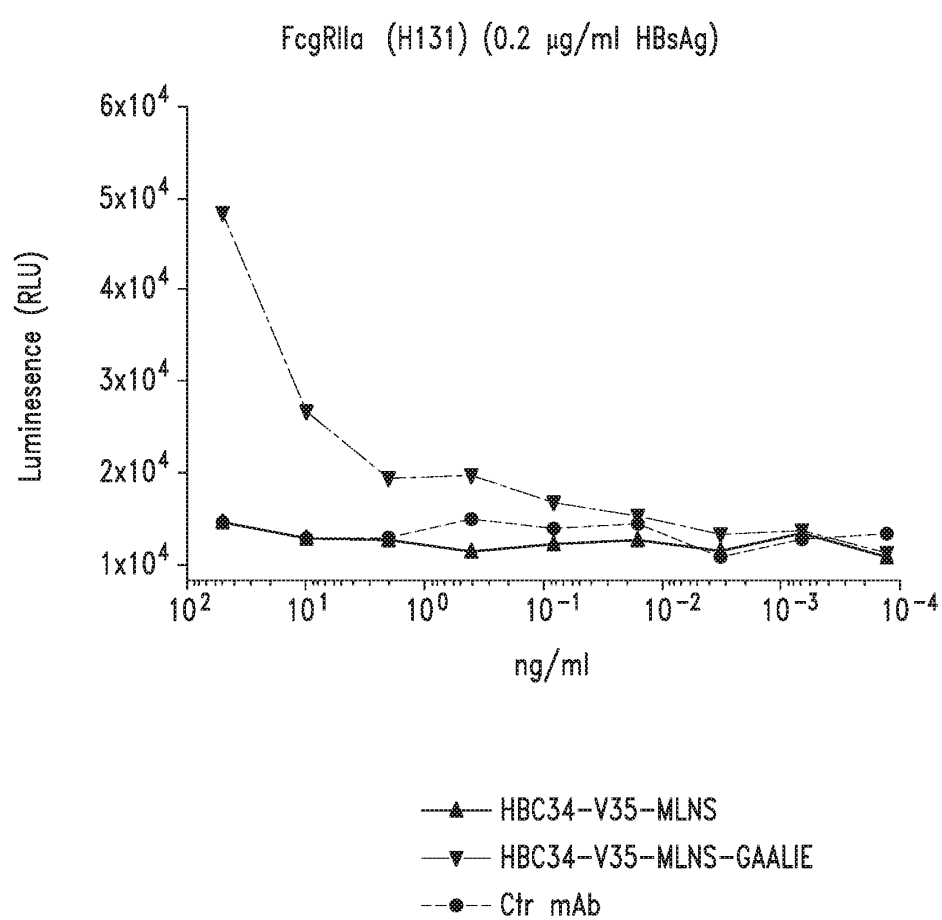


FIG. 12B

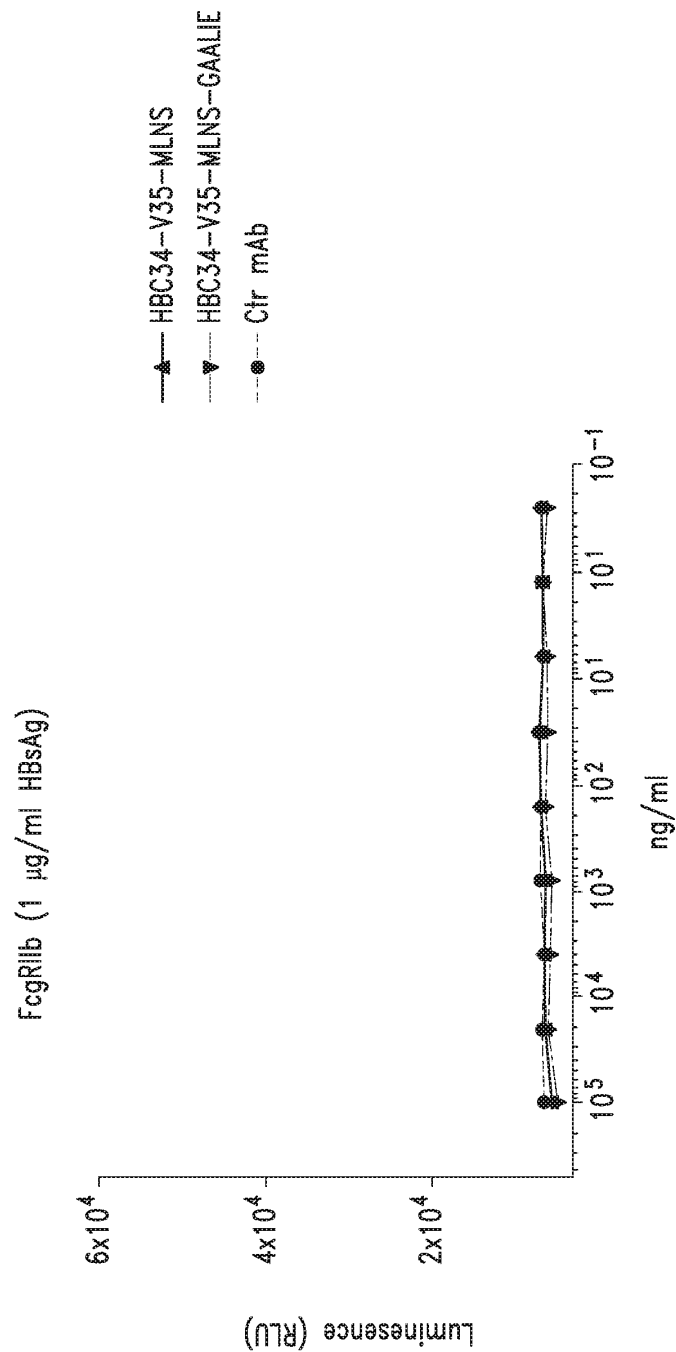


FIG. 13A

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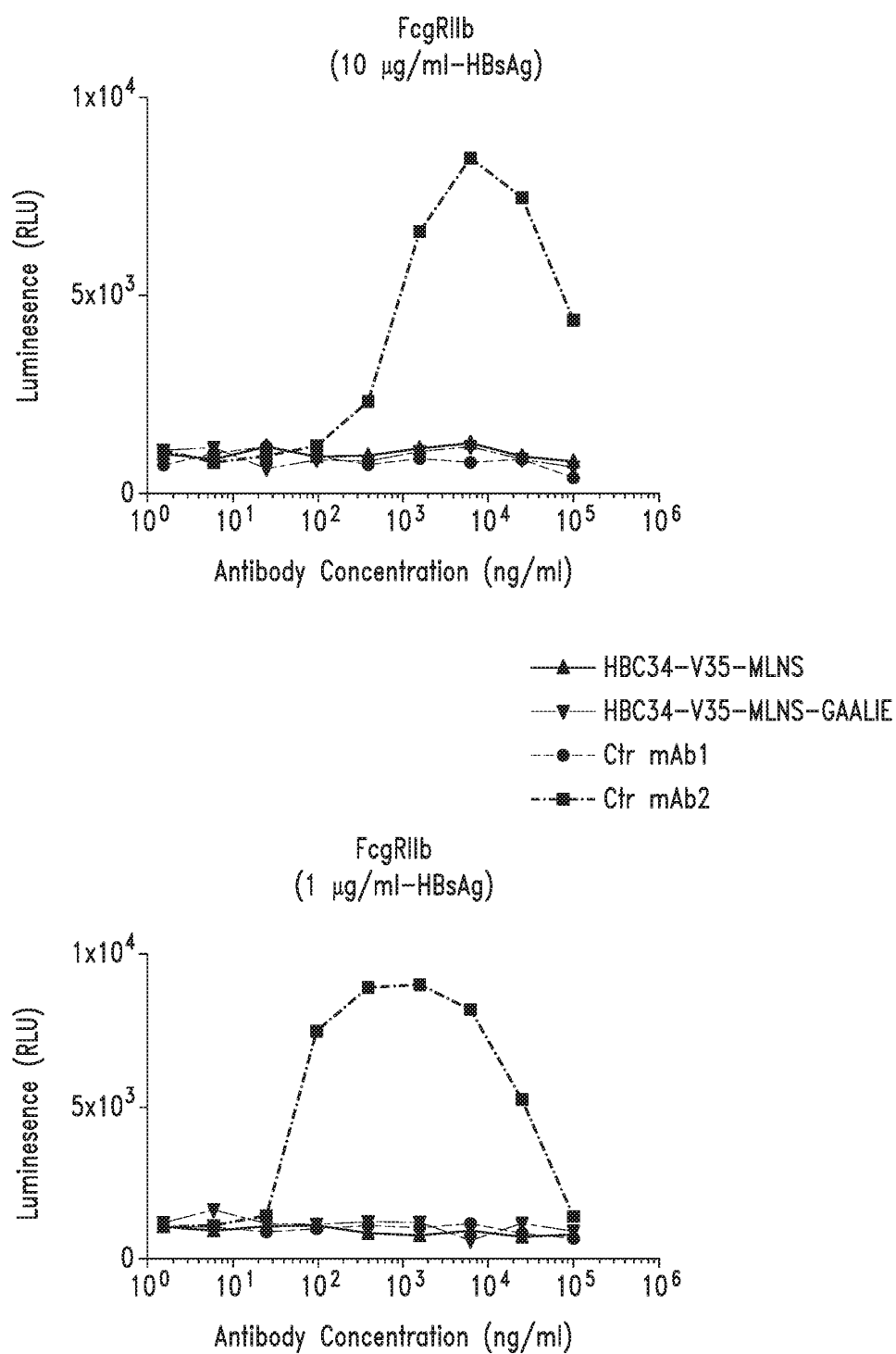


FIG. 13B

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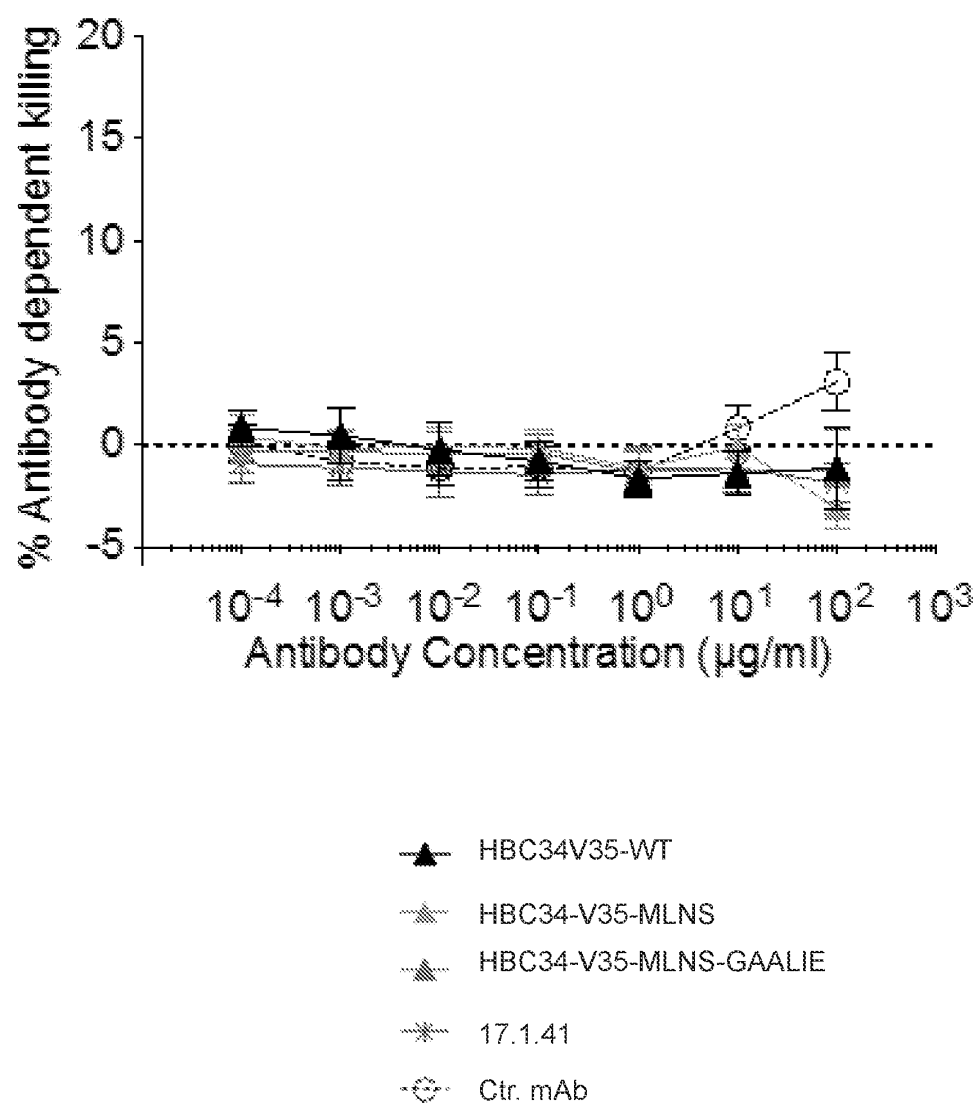


FIG. 14A

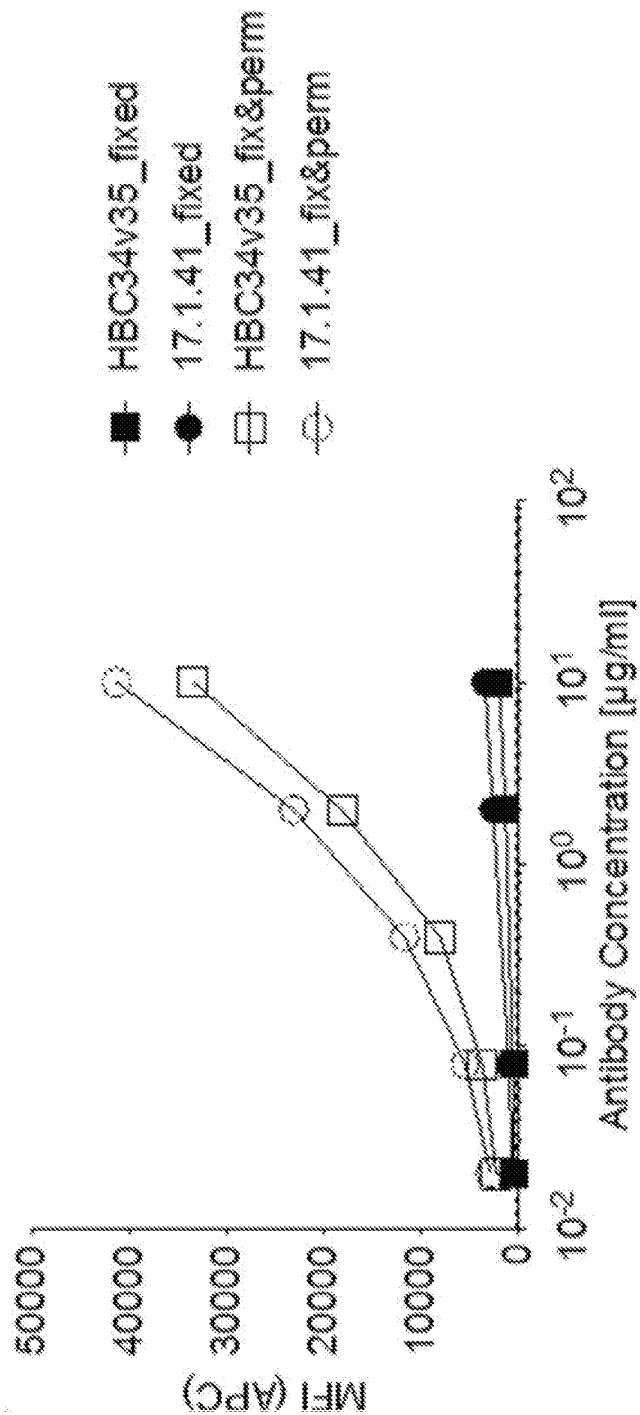


FIG. 14B

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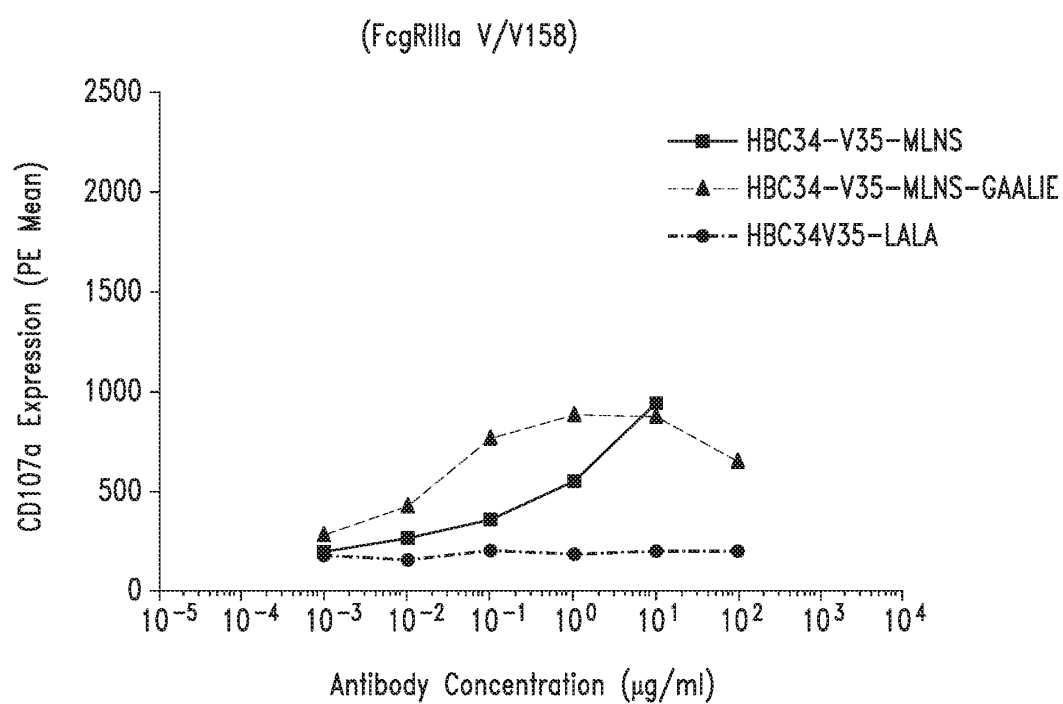


FIG. 15A

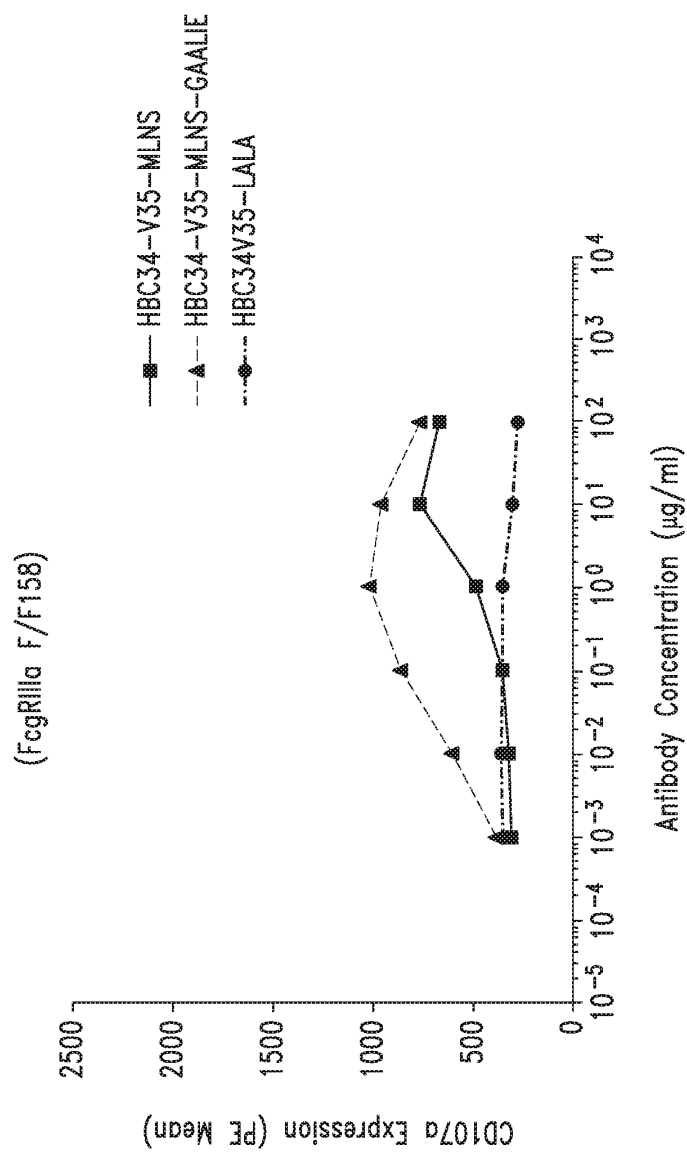


FIG. 15B

Synergy/Antagonism Analysis for HBC34–V35–MLNS–GAALIE in Combination with ETV

| Marker  | Synergy [ $\mu\text{M}^{20\%}$ ] <sup>a</sup> | Antagonism [ $\mu\text{M}^{20\%}$ ] <sup>a</sup> | Disposition |
|---------|-----------------------------------------------|--------------------------------------------------|-------------|
| HBsAg   | 4.22                                          | -12.04                                           | Additive    |
| HBV DNA | 0.19                                          | -20.28                                           | Additive    |

<sup>a</sup> Results represent the mean of three independent experiments, each incorporating n=3 plates

FIG. 16